

## 1994 Year-End Index, Volumes 115-121

### **Abrolhos reef complex**

Quaternary 115(1-2) 29-46

**absolute age** *see also* C-14; Pb/Pb; Th/Th; Th/U; uranium disequilibrium

Alaska, geochemistry 116(3-4) 351-372

North Carolina, stratigraphy 117(1-4) 253-273

### **Abu Quir Bay**

continental shelf 121(3-4) 199-211

abyssal fans *see* submarine fans

### **abyssal plains**

Atlantic Ocean, ocean floors 119(1-2) 159-171

### **accelerator mass spectroscopy**

Quaternary 119(3-4) 333-355

acoustic surveys *see* acoustical surveys

**acoustical methods** 119(1-2) 57-65

**acoustical surveys** *see also* GLORIA

Belgium, continental shelf 121(1-2) 1-21

Chile 119(1-2) 7-38

French Guiana, Quaternary 121(3-4) 231-245

India 117(1-4) 207-225

Quaternary 121(3-4) 293-315

Korea 120(1-2) 89-103

Namibia 115(1-2) 85-116

New Zealand, Quaternary 119(1-2) 75-98

Nova Scotia 121(3-4) 143-160

Peru 118(3-4) 237-256; 119(1-2) 7-38

South Africa 120(3-4) 225-247

Turkey 115(1-2) 129-142

### **active margins**

Chile 119(1-2) 7-38

Peru 119(1-2) 7-38

active tectonics *see* neotectonics

actual age (absolute age) *see* absolute age

Aeolian Islands *see* Lipari Islands

**Africa** *see also* North Africa; Southern Africa; West Africa

Walvis Bay 115(1-2) 85-116

AGU 116(3-4) 349-430

**Agulhas Current** 120(3-4) 225-247

### **Ahu volcanic field**

ocean floors 118(3-4) 177-185

Al *see* aluminum

### **Alaska**

119(3-4) 215-225

geochemistry, Aleutian Islands 116(3-4) 351-372

Albatross Cordillera *see* East Pacific Rise

### **Alboran Sea**

Quaternary 120(3-4) 249-265

### **Aleutian Islands**

geochemistry 116(3-4) 351-372

### **Aleutian Trench**

Quaternary 118(1-2) 119-137

Aleutians *see* Aleutian Islands

### **algae**

Halimeda, India 121(3-4) 293-315

Lithophyllum, France 120(3-4) 203-223

### **nannofossils**

Arctic Ocean 119(3-4) 287-300; 119(3-4) 357-361; 120(3-4) 335-364

Atlantic Ocean 121(3-4) 247-263

France 117(1-4) 287-302

Hawaii 115(3-4) 289-306

Tyrrhenian Sea 117(1-4) 329-349

### **algal flora**

#### **coccoliths**

Arctic Ocean 120(3-4) 335-364

Hawaii 115(3-4) 289-306

#### **diatom flora**

France 120(1-2) 27-40

Peru 116(3-4) 385-398; 118(3-4) 237-256

France, Quaternary 120(3-4) 203-223

India, Quaternary 121(3-4) 293-315

Italy, Quaternary 117(1-4) 317-328

### **nannofossils**

Arctic Ocean 119(3-4) 287-300; 119(3-4) 357-361; 120(3-4) 335-364

Atlantic Ocean 121(3-4) 247-263

France 117(1-4) 287-302

Hawaii 115(3-4) 289-306

Tyrrhenian Sea 117(1-4) 329-349

Western Australia, Quaternary 115(1-2) 29-46

alkali metals *see* sodium

### **aluminosilicates**

Indian Ocean, geochemistry 120(3-4) 385-400

### **aluminum**

Burma 117(1-4) 275-285

France, stratigraphy 117(1-4) 287-302

India 117(1-4) 275-285

Indonesia 117(1-4) 275-285

Italy, Quaternary 117(1-4) 317-328

Sri Lanka 117(1-4) 275-285

Western Australia 117(1-4) 275-285

### **Alviniconcha hessleri**

ecology 116(1-2) 227-242

American Geophysical Union *see* AGU

### **ammonium ion**

Alaska, geochemistry 116(3-4) 351-372

### **ammonoids**

France, stratigraphy 117(1-4) 287-302

### **Amundsen Basin**

Quaternary 119(3-4) 251-267; 119(3-4) 305-332

**Anamur Bay** 115(1-2) 129-142

Andalusia Spain *see* Cadiz Spain; Malaga Spain

**Andaman Sea** 117(1-4) 275-285

### **andean-type**

Peru 118(3-4) 237-256

Andes *see* Peru

Andes Mountains *see* Andes

### **andesites**

Costa Rica, geomorphology 120(1-2) 13-26

### **anhydrite**

Pacific Ocean, geochemistry 116(1-2) 215-226

### **annotators**

geophysical surveys 118(1-2) 1-3

### **Antarctic Ocean**

sea water 121(3-4) 161-170

### **Antarctic Peninsula**

sea water 121(3-4) 161-170

### **Antarctica**

sea water, Antarctic Peninsula 121(3-4) 161-170

Anthozoa *see* Zoantharia

### **apatite**

Africa, diagenesis 120(3-4) 373-383

Peru, diagenesis 118(1-2) 5-22

### **Aquitaine**

continental shelf 120(3-4) 267-290

Arabian Ridge *see* Carlsberg Ridge

### **Arabian Sea**

118(3-4) 283-290

ocean circulation 120(3-4) 365-371

Quaternary 121(3-4) 293-315

**Arabian-Indian Ridge** *see* Carlsberg Ridge  
**aragonite**

India, Quaternary 121(3-4) 293-315

arcs, island *see* island arcs

**Arctic Ocean**

Beaufort Sea 119(3-4) 215-225

Cenozoic, Barents Sea 118(3-4) 257-281

continental shelf, Voring Plateau 121(1-2) 87-103

continental slope, Greenland Sea 121(1-2) 121-128

geochemistry 119(3-4) 227-250; 119(3-4) 269-285

Norwegian Sea 121(1-2) 105-119

Laptev Sea 119(3-4) 185-214; 119(3-4) 215-225

marine geology 119(3-4) 179-184; 119(3-4) 179-364; 119(3-4) 357-361

Greenland Sea 121(1-2) 75-141

Norwegian Sea 121(1-2) 75-141

Quaternary 119(3-4) 251-267; 119(3-4) 301-304; 119(3-4) 333-355

Barents Sea 117(1-4) 35-55; 117(1-4) 303-316

Fram Strait 117(1-4) 35-55

Greenland Sea 117(1-4) 35-55; 120(3-4) 335-364; 121(1-2) 77-85; 121(1-2) 129-141

Lomonosov Ridge 119(3-4) 305-332

Makarov Basin 119(3-4) 305-332

Norwegian Sea 117(1-4) 303-316; 120(3-4) 335-364; 121(1-2) 77-85

Voring Plateau 117(1-4) 35-55; 121(1-2) 129-141

**sedimentation**

Fram Strait 116(3-4) 327-345

Voring Plateau 116(3-4) 327-345

stratigraphy 119(3-4) 287-300

Voring Plateau 115(3-4) 173-205

**Arctic Ocean Deep Water**

Quaternary 119(3-4) 305-332

**Arctic region** *see also* Svalbard

Cenozoic, Svalbard 118(3-4) 257-281

Quaternary

North Pole 119(3-4) 251-267

Svalbard 117(1-4) 35-55

Arctic Sea *see* Arctic Ocean

Argentina *see* Tierra del Fuego

**argillite**

Norway, Quaternary 117(1-4) 35-55

**Ariake Bay**

ocean waves 120(1-2) 63-74

**Arica Bight** 119(1-2) 7-38

Arkhangelsk Russian Federation *see* Franz Josef Land

**armored mud balls**

Arctic Ocean, continental slope 121(1-2) 121-128

**arthropods** *see also* crustaceans

crustaceans, India 121(3-4) 293-315

**Asia** *see also* Far East; Himalayas; Indian Peninsula; Middle East

Brahmaputra River 120(1-2) 41-61

Ganges River 120(1-2) 41-61

Quaternary, Strait of Malacca 120(3-4) 175-202

Siberia 119(3-4) 215-225

Asia Minor *see* Turkey

Atlantic Coastal Plain *see* Chesapeake Bay; North Carolina; Outer Banks; Virginia

**Atlantic Ocean** *see also* North Atlantic

115(1-2) 85-116; 118(1-2) 61-77; 119(1-2) 67-73

continental shelf, European Atlantic 120(3-4) 267-290

geochemistry, Walvis Ridge 121(3-4) 317-332

geomorphology, Hudson Bay 117(1-4) 57-74

**ocean floors**

Bermuda Rise 119(1-2) 159-171

Sohm abyssal plain 119(1-2) 159-171

ocean waves 118(1-2) 23-48

petrology, Romanche fracture zone 117(1-4) 237-251

Quaternary 118(1-2) 79-105

Cape Verde Atlantic 118(1-2) 107-117

Labrador Sea 121(3-4) 247-263

Scotian Shelf 117(1-4) 135-154

Scotian Shelf 121(3-4) 143-160

stratigraphy 117(1-4) 253-273

**Atlantis II Deep**

geochemistry 118(3-4) 291-302

**atmosphere**

Arctic Ocean, Quaternary 117(1-4) 303-316

**atolls**

India, Quaternary 118(3-4) 187-194

attapulgitite *see* palygorskite

**Australasia** *see also* New Zealand

116(3-4) 259-266

Australia *see* Queensland Australia; Western Australia

**Australian Plate**

Pacific Ocean, tectonophysics 116(1-2) 25-35; 116(1-2) 37-56

**autoradiography**

continental shelf 120(3-4) 267-290

**B** *see* boron

**back-arc basins**

Italy, geochemistry 119(1-2) 137-157

New Zealand, Quaternary 119(1-2) 75-98

Pacific Ocean, ecology 116(1-2) 227-242

Vanuatu, petrology 116(1-2) 197-213

West Pacific Ocean Islands 118(3-4) 217-236

**bacteria**

Pacific Ocean

ecology 116(1-2) 227-242

geochemistry 116(1-2) 243-253

Tasman Sea, Quaternary 117(1-4) 1-17

**Bahamas**

ecology 119(1-2) 175-177

**Balearic Islands**

Quaternary, Majorca 120(3-4) 129-174

**Balmoral Reef**

plate tectonics 116(1-2) 57-68

**Bandol Formation**

stratigraphy 117(1-4) 287-302

Bangladesh *see* Brahmaputra River; Ganges River

**Bannock Basin**

geochemistry 115(1-2) 15-19

**Barents ice sheet**

Quaternary 117(1-4) 35-55

**Barents Sea**

Cenozoic 118(3-4) 257-281

Quaternary 117(1-4) 35-55; 117(1-4) 303-316

**bars** *see also* longshore bars

Japan, ocean waves 120(1-2) 63-74

Netherlands, shore features 121(3-4) 187-197

North Carolina, geomorphology 117(1-4) 75-94

Ontario, geophysical surveys 119(1-2) 57-65

shore features 116(3-4) 313-325

basalts *see* lava; mid-ocean ridge basalts; tholeiitic basalt

basins *see also* back-arc basins; fore-arc basins; foreland basins

Pacific Ocean, ocean floors 116(1-2)

petroleum 117(1-4) 351-352

**bathymetric maps**

Pacific Ocean, ocean floors 116(1-2)

**Bathymodiolus**

ecology 116(1-2) 227-242

**Bay of Bengal** 117(1-4) 275-285; 120(1-2) 41-61

**Bay of Sinop**

ocean floors 116(3-4) 373-384

**beach ridges**

Costa Rica 120(1-2) 13-26

**beaches**

Argentina, sedimentary petrology 115(3-4) 263-270

Egypt 115(3-4) 253-261

England 120(3-4) 309-325

India 118(3-4) 207-216

New Jersey 115(1-2) 143-151

North Carolina 117(1-4) 75-94

Prince Edward Island, ocean waves 118(1-2) 23-48

Quebec 117(1-4) 57-74

Queensland Australia, ground water 115(3-4) 227-238

Spain 118(3-4) 195-206

Wales 120(3-4) 309-325

**Bear Island**

Cenozoic 118(3-4) 257-281

sedimentation 116(3-4) 327-345

- Beaufort Sea** 119(3-4) 215-225  
 bed forms *see* bedforms  
 bed-load *see* bedload  
**bedding**  
 Belgium, sediments 121(1-2) 57-72  
 bedding plane irregularities *see* ripple marks;  
 sand ridges  
**bedforms**  
 Alaska 119(3-4) 215-225  
 Belgium 121(1-2) 23-41  
 continental shelf 121(1-2) 1-21  
 England, ocean circulation 115(3-4) 207-  
 226  
 Japan 120(1-2) 75-87  
 Korea 120(1-2) 89-103  
 Ontario, geophysical surveys 119(1-2) 57-  
 65  
**bedload**  
 Argentina, sedimentary petrology 115(3-4)  
 263-270  
 England 120(3-4) 309-325  
 Wales 120(3-4) 309-325  
**Belgium**  
 121(1-2) 23-41  
 continental shelf 121(1-2) 1-21; 121(3-4)  
 171-185  
 sediments 121(1-2) 43-55; 121(1-2) 57-72  
**Bering Sea**  
 Quaternary 118(1-2) 119-137  
**Bermuda Rise**  
 ocean floors 119(1-2) 159-171  
**biochemical sedimentation**  
 Atlantic Ocean, geochemistry 121(3-4) 317-  
 332  
**bioclastic sedimentation**  
 Arabian Sea 120(3-4) 365-371  
 Arctic Ocean 119(3-4) 185-214; 119(3-4)  
 357-361  
 geochemistry 121(1-2) 105-119  
 Quaternary 121(1-2) 129-141  
 stratigraphy 119(3-4) 287-300  
 Queensland Australia 121(3-4) 265-291  
 Red Sea, geochemistry 118(3-4) 291-302  
 biogenic structures *see* bioherms; bioturba-  
 tion; burrows  
**biography**  
 marine geology 115(1-2) 153-156  
**bioherms**  
 India, Quaternary 121(3-4) 293-315  
**biological fouling**  
 Coral Sea 116(3-4) 255-258  
**biometry**  
 Arctic Ocean, Quaternary 121(1-2) 129-141  
 biopelite *see* black shale  
 biostratigraphy *see* algal flora; coccoliths; di-  
 noflagellates; foraminifers; nannofossils;  
 paleoecology  
**bioturbation**  
 Alaska, geochemistry 116(3-4) 351-372  
 Black Sea, ocean floors 116(3-4) 373-384  
 bituminous shale *see* black shale  
**bivalves**  
 Northern Ireland, Quaternary 117(1-4) 19-  
 34  
 Pacific Ocean, ecology 116(1-2) 227-242  
 Bjornoya *see* Bear Island  
**Black Sea**  
 121(3-4) 213-230  
 ocean floors 116(3-4) 373-384  
**black shale**  
 France, stratigraphy 117(1-4) 287-302  
**black smokers**  
 Pacific Ocean, ecology 116(1-2) 227-242  
**Blanes Canyon**  
 Quaternary 117(1-4) 195-205  
**Bligh Ridge**  
 plate tectonics 116(1-2) 57-68  
**block structures**  
 Indian Ocean, crust 115(3-4) 165-171  
**book reviews**  
 119(1-2) 174  
 Bahamas, ecology 119(1-2) 175-177  
 geochemistry 119(1-2) 174-175  
 North Sea, marine geology 119(1-2) 177-  
 178  
 Norway 117(1-4) 351  
 ocean circulation 115(1-2) 160-161  
 paleontology 119(1-2) 173-174  
 petroleum 117(1-4) 351-352  
 Phanerozoic 118(3-4) 336  
 Quaternary 115(1-2) 157-158; 115(1-2)  
 158-160  
 stratigraphy 118(3-4) 335-336  
 borderland, continental *see* continental bor-  
 derland  
**boron**  
 Mediterranean Sea, geochemistry 115(1-2)  
 15-19  
**bottom currents**  
 Atlantic Ocean, ocean floors 119(1-2) 159-  
 171  
 Bering Sea, Quaternary 118(1-2) 119-137  
 Egypt, continental shelf 121(3-4) 199-211  
**bottom features** *see also* mid-ocean ridges;  
 seamounts; submarine canyons; submarine  
 volcanoes  
 Alaska 119(3-4) 215-225  
 India 118(3-4) 283-290  
 Japan 120(1-2) 75-87  
 New Zealand, tectonophysics 118(1-2) 139-  
 151  
 Russian Federation, Quaternary 119(3-4)  
 301-304  
 Spain, Quaternary 120(3-4) 129-174  
 bottom load *see* bedload  
**Bouches-du-Rhone France**  
 Quaternary 120(3-4) 203-223  
 boundaries, stratigraphic *see* stratigraphic  
 boundary  
**bounding surfaces**  
 Japan 120(1-2) 105-127  
**box models**  
 Atlantic Ocean, Quaternary 118(1-2) 79-  
 105  
**Braemar Ridge**  
 plate tectonics 116(1-2) 57-68  
**Brahmaputra River** 120(1-2) 41-61  
**breaking waves**  
 New Jersey 115(1-2) 143-151  
 Brevard County Florida *see* Cape Canaveral  
**Brialmont Cove**  
 sea water 121(3-4) 161-170  
**brines**  
 Mediterranean Sea, geochemistry 115(1-2)  
 15-19  
 British Columbia *see* Fraser River delta; Strait  
 of Georgia  
**Broken Ridge**  
 stratigraphy 116(3-4) 267-291  
**Brunhes Epoch**  
 Indian Ocean 115(1-2) 21-28  
 Tasman Sea 117(1-4) 1-17  
**burial diagenesis**  
 Nova Scotia 120(3-4) 291-308  
**buried nodules** 119(1-2) 111-136  
**Burma** 117(1-4) 275-285  
**burrows**  
 sea water 120(1-2) 1-12  
**Burwell Bay**  
 sediments 115(3-4) 271-287  
**buserite** 115(1-2) 67-83  
**C** *see* carbon  
**C-13/C-12**  
 Arctic Ocean  
 geochemistry 119(3-4) 227-250  
 Quaternary 119(3-4) 333-355  
**C-14**  
 Arctic Ocean, Quaternary 119(3-4) 333-355  
 France, Quaternary 120(3-4) 203-223  
 India 117(1-4) 207-225  
 Nova Scotia, Quaternary 117(1-4) 135-154  
 Western Australia, Quaternary 115(1-2) 29-  
 46  
**Cadiz Spain**  
 Quaternary 120(3-4) 129-174  
 Cainozoic *see* Cenozoic  
**Calabria Italy**  
 geochemistry 115(1-2) 117-127  
 calcareous clay *see* marl  
 calcareous nannofossils *see* nannofossils  
**calcium carbonate**  
 Arctic Ocean  
 geochemistry 119(3-4) 269-285  
 Quaternary 117(1-4) 303-316  
 California 116(3-4) 399-418  
 India 117(1-4) 227-236  
 Namibia 115(1-2) 85-116  
 Pacific Ocean, ocean circulation 120(3-4)  
 327-333  
**California** *see also* San Pedro Basin  
 115(1-2) 47-65  
 sedimentary petrology, Pismo Basin 116(3-  
 4) 419-430



- Calvados France** 120(1-2) 27-40
- Canada** *see also* Eastern Canada; Western Canada  
 geomorphology, Hudson Bay 117(1-4) 57-74
- Canopic Channel**  
 continental shelf 121(3-4) 199-211
- Cape Canaveral** 119(1-2) 67-73
- Cape May County New Jersey** 115(1-2) 143-151
- Cape Rachado**  
 Quaternary 120(3-4) 175-202
- Cape Verde Atlantic**  
 Quaternary 118(1-2) 107-117
- Caprera Canyon** 117(1-4) 177-185
- carbon** *see also* organic carbon  
 C-13/C-12, Arctic Ocean 119(3-4) 227-250; 119(3-4) 333-355  
 C-14  
 Arctic Ocean 119(3-4) 333-355  
 France 120(3-4) 203-223  
 India 117(1-4) 207-225  
 Nova Scotia 117(1-4) 135-154  
 Western Australia 115(1-2) 29-46
- carbon dioxide**  
 Arctic Ocean  
 geochemistry 119(3-4) 227-250  
 Quaternary 117(1-4) 303-316  
 Pacific Ocean, geochemistry 116(1-2) 243-253
- carbon-14** *see* C-14
- carbonaceous shale** *see* black shale
- carbonate platforms**  
 India, Quaternary 121(3-4) 293-315
- carbonate rocks** *see also* limestone  
 Western Australia 115(1-2) 29-46
- carbonate sediments** *see also* carbonate platforms  
 Arctic Ocean, geochemistry 121(1-2) 105-119  
 Egypt 121(3-4) 199-211  
 Queensland Australia 121(3-4) 265-291
- carbonates** *see* aragonite; calcium carbonate
- Caribbean region** *see also* West Indies  
 geomorphology 120(1-2) 13-26
- Caribbean Sea**  
 ecology 119(1-2) 175-177
- Carlsberg Ridge**  
 tectonophysics 115(1-2) 21-28
- cassiterite**  
 Malaysia, Quaternary 120(3-4) 175-202
- Castile Spain** *see* Old Castile Spain
- cataclasis**  
 Atlantic Ocean, petrology 117(1-4) 237-251
- Ce** *see* cerium
- Cenozoic** *see also* Quaternary; Tertiary  
 Arctic Ocean 118(3-4) 257-281  
 Arctic region 118(3-4) 257-281  
 Hawaii 115(3-4) 289-306  
 Indonesia 116(3-4) 267-291; 117(1-4) 119-134
- Matuyama Epoch**  
 Indian Ocean 115(1-2) 21-28  
 Pacific Ocean 116(1-2) 89-100  
 New Zealand 118(1-2) 153-173
- Central America** *see* Costa Rica
- cephalopods** *see* ammonoids
- cerium**  
 Indian Ocean 115(3-4) 307-329  
 geochemistry 120(3-4) 385-400
- cesium**  
 Cs-137, Alaska 116(3-4) 351-372
- Ceylon** *see* Sri Lanka
- chain silicates** *see* pyroxene group
- chambers, magma** *see* magma chambers
- changes of level** *see also* eustasy; shorelines  
 Belgium, sediments 121(1-2) 57-72  
 British Columbia, continental shelf 118(1-2) 49-60  
 England, Quaternary 118(3-4) 327-334  
 France, Quaternary 120(3-4) 203-223  
 French Guiana, Quaternary 121(3-4) 231-245  
 Hawaii, Quaternary 118(3-4) 315-326  
 India 117(1-4) 207-225  
 Japan 120(1-2) 75-87; 120(1-2) 105-127  
 Korea 120(1-2) 89-103  
 Malaysia, Quaternary 120(3-4) 175-202  
 New Zealand, Quaternary 119(1-2) 75-98  
 North Carolina, stratigraphy 117(1-4) 253-273  
 Nova Scotia, Quaternary 117(1-4) 135-154  
 Spain, Quaternary 120(3-4) 129-174; 120(3-4) 249-265  
 Turkey 121(3-4) 213-230  
 Western Australia, Quaternary 115(1-2) 29-46
- channels**  
 British Columbia, continental shelf 118(1-2) 49-60  
 Chile 119(1-2) 7-38  
 Egypt, continental shelf 121(3-4) 199-211  
 Peru 119(1-2) 7-38
- Chatham Rise**  
 Quaternary 117(1-4) 155-175  
 tectonophysics 118(1-2) 139-151; 118(1-2) 153-173
- chemically precipitated rocks** *see also* ironstone; phosphate rocks  
 California 115(1-2) 47-65  
 Indian Ocean, geochemistry 120(3-4) 385-400
- chemostratigraphy**  
 Arctic Ocean, Quaternary 119(3-4) 333-355; 121(1-2) 77-85
- chemosynthesis**  
 Pacific Ocean, geochemistry 116(1-2) 243-253
- Chesapeake Bay**  
 sediments 115(3-4) 271-287
- Chiclayo Canyon** 118(3-4) 237-256
- Chile** 119(1-2) 7-38
- Chile Trench** *see* Peru-Chile Trench
- chimneys**  
 Pacific Ocean  
 geochemistry 116(1-2) 215-226  
 ocean floors 116(1-2) 133-151
- chlorine**  
 Mediterranean Sea, geochemistry 115(1-2) 15-19
- Chlorophyceae** *see* Codiaceae
- Chlorophyta** *see* Chlorophyceae
- clastic rocks** *see* argillite; black shale; claystone; conglomerate; diatomaceous earth; marl; mudstone; sandstone; siltstone
- clastic sediments** *see also* clay; diamicton; gravel; mud; ooze; sand; silt; till  
 Bering Sea, Quaternary 118(1-2) 119-137
- clay** *see also* marl  
 California 116(3-4) 399-418  
 Peru, Quaternary 116(3-4) 385-398
- clay mineralogy** *see also* glauconite  
 Arctic Ocean 119(3-4) 185-214  
 geochemistry 119(3-4) 269-285  
 Indian Ocean 115(3-4) 307-329
- clay minerals** *see* illite; kaolinite; palygorskite; smectite
- claystone**  
 Norway, Quaternary 117(1-4) 35-55
- cliffs**  
 India, geomorphology 118(3-4) 207-216
- climatology, paleo-** *see* paleoclimatology
- CO<sub>2</sub>** *see* carbon dioxide
- coastal dunes**  
 Belgium, continental shelf 121(1-2) 1-21  
 Irish Sea 119(1-2) 39-56  
 Japan 120(1-2) 75-87
- coastal features** *see* shore features
- coastal sedimentation**  
 Bangladesh 120(1-2) 41-61  
 India, geomorphology 118(3-4) 207-216  
 North Carolina 118(1-2) 61-77  
 Prince Edward Island 118(1-2) 23-48  
 Spain, geomorphology 118(3-4) 195-206
- coastlines** *see also* beaches  
 France, Quaternary 120(3-4) 203-223  
 Irish Sea 119(1-2) 39-56  
 Quaternary 115(1-2) 157-158
- coccoliths**  
 Arctic Ocean, Quaternary 120(3-4) 335-364  
 Hawaii, Cenozoic 115(3-4) 289-306
- Codiaceae** *see* Halimeda
- coefficient of permeability** *see* hydraulic conductivity
- coefficients, partition** *see* partition coefficients
- Coelenterata**  
 Porites, India 118(3-4) 187-194

- coelenterates *see* corals  
 colloquia *see* symposia  
 columbium *see* niobium  
**columnar joints**  
   Pacific Ocean, plate tectonics 116(1-2) 113-132  
**compression tectonics**  
   Pacific Ocean, plate tectonics 116(1-2) 57-68  
 conferences *see* symposia  
**conglomerate**  
   Hawaii, Quaternary 118(3-4) 315-326  
**continental borderland**  
   California 116(3-4) 399-418  
**continental margin** *see also* active margins; back-arc basins; continental slope; submarine canyons  
   Atlantic Ocean, Quaternary 118(1-2) 79-105  
   California 115(1-2) 47-65  
   India 117(1-4) 227-236; 118(3-4) 283-290  
   Indonesia, plate tectonics 117(1-4) 119-134  
   Morocco, Quaternary 118(1-2) 107-117  
   Namibia 115(1-2) 85-116  
   North Carolina, stratigraphy 117(1-4) 253-273  
   Norway 117(1-4) 351  
   Peru, diagenesis 118(1-2) 5-22  
   Western Australia, Quaternary 115(1-2) 29-46  
**continental shelf** *see also* changes of level; ocean currents; reefs; submarine canyons  
   Alaska 119(3-4) 215-225  
   Arctic Ocean 121(1-2) 87-103  
   Bangladesh 120(1-2) 41-61  
   Belgium 121(1-2) 1-21; 121(1-2) 23-41; 121(3-4) 171-185  
   Egypt 117(1-4) 187-194  
   France 120(3-4) 267-290  
   India, Quaternary 121(3-4) 293-315  
   Italy, Quaternary 117(1-4) 317-328  
   Norway, stratigraphy 115(3-4) 173-205  
   Nova Scotia 121(3-4) 143-160  
   Russian Federation, Quaternary 119(3-4) 301-304  
   Scandinavia 121(1-2) 87-103  
**continental slope** *see also* submarine canyons  
   Arctic Ocean 121(1-2) 121-128  
   New Zealand, Quaternary 117(1-4) 155-175  
   Queensland Australia 121(3-4) 265-291  
   Taiwan 119(1-2) 99-109  
**continental terrace** *see* continental shelf  
**Cook Strait**  
   plate tectonics 116(3-4) 293-312  
**coprolites**  
   Africa, diagenesis 120(3-4) 373-383  
 coral reefs *see* reefs  
**Coral Sea**  
   Great Barrier Reef 116(3-4) 255-258; 121(3-4) 265-291  
 Corallinaceae *see* Lithophyllum  
**corals**  
   Hawaii, Quaternary 118(3-4) 315-326  
   India, Quaternary 118(3-4) 187-194  
   Western Australia, Quaternary 115(1-2) 29-46  
**Coromandel Peninsula**  
   Quaternary 119(1-2) 75-98  
**Corsica**  
   117(1-4) 177-185  
   Quaternary 120(3-4) 203-223  
**Costa Rica**  
   geomorphology 120(1-2) 13-26  
**Cretaceous**  
   Africa 120(3-4) 373-383  
   Arctic Ocean 119(3-4) 287-300  
   India 118(3-4) 283-290  
   Indonesia 116(3-4) 267-291  
   New Zealand 119(1-2) 1-5  
   Vraconian, France 117(1-4) 287-302  
**cross-stratification**  
   Northern Ireland, Quaternary 117(1-4) 19-34  
**crust** *see also* sea-floor spreading  
   India 118(3-4) 283-290  
   Indian Ocean 115(3-4) 165-171  
   New Zealand 118(1-2) 139-151; 118(1-2) 153-173  
   oceanic crust  
     Indian Ocean 115(1-2) 21-28  
     Pacific Ocean 116(1-2) 101-111; 116(1-2) 113-132  
**crustaceans** *see also* ostracods  
   India, Quaternary 121(3-4) 293-315  
**crystal structure**  
   mineralogy 115(1-2) 67-83  
   Peru, diagenesis 118(1-2) 5-22  
**crystalline rocks**  
   Norway, Quaternary 117(1-4) 35-55  
 crystalline structure *see* crystal structure  
**Cs-137**  
   Alaska, geochemistry 116(3-4) 351-372  
 cube spar *see* anhydrite  
 currents *see* bottom currents; ocean currents  
**Currituck County North Carolina** 118(1-2) 61-77  
**dacites**  
   Vanuatu 116(1-2) 197-213  
**Damietta Promontory**  
   geomorphology 115(3-4) 253-261  
**data bases**  
   Nova Scotia 121(3-4) 143-160  
**debris flows**  
   Nova Scotia 120(3-4) 291-308  
**Deep Sea Drilling Project**  
   119(1-2) 111-136  
   stratigraphy 116(3-4) 267-291  
 deep-sea fans *see* submarine fans  
**deep-sea sedimentation**  
   Arctic Ocean, Quaternary 120(3-4) 335-364  
   Atlantic Ocean 119(1-2) 159-171  
   Red Sea, geochemistry 118(3-4) 291-302  
**deep-tow methods**  
   Atlantic Ocean, ocean floors 119(1-2) 159-171  
**deformation** *see also* folds; fractures  
   Indian Ocean 115(3-4) 307-329  
   Pacific Ocean, tectonophysics 116(1-2) 5-24  
**deglaciation**  
   Atlantic Ocean, geochemistry 121(3-4) 317-332  
   Italy, Quaternary 117(1-4) 317-328  
   Northern Ireland, Quaternary 117(1-4) 19-34  
**Delaware Bay** 115(1-2) 143-151  
**deltic sedimentation**  
   British Columbia 118(1-2) 49-60  
   Egypt 121(3-4) 199-211  
**detrital sedimentation**  
   India, Quaternary 118(3-4) 187-194  
**deuterium**  
   France, stratigraphy 117(1-4) 287-302  
**Devensian**  
   Northern Ireland 117(1-4) 19-34  
**diagenesis** *see also* phosphatization  
   119(1-2) 111-136  
   Arctic Ocean, Quaternary 120(3-4) 335-364  
   Atlantic Ocean, geochemistry 121(3-4) 317-332  
   burial diagenesis, Nova Scotia 120(3-4) 291-308  
   California 115(1-2) 47-65  
   India, Quaternary 118(3-4) 187-194  
   Indian Ocean 115(3-4) 307-329  
   mineralogy 115(1-2) 67-83  
   Pacific Ocean, geochemistry 118(3-4) 303-313  
   Western Australia, Quaternary 115(1-2) 29-46  
**diamicton**  
   Arctic Ocean, Quaternary 120(3-4) 335-364  
   Northern Ireland, Quaternary 117(1-4) 19-34  
   Norway, Quaternary 117(1-4) 35-55  
**diatom flora**  
   France 120(1-2) 27-40  
   Peru 118(3-4) 237-256  
   Quaternary 116(3-4) 385-398  
**diatomaceous earth**  
   Namibia 115(1-2) 85-116  
**dikes**  
   Pacific Ocean, plate tectonics 116(1-2) 113-132  
**dinoflagellates**  
   Arctic Ocean, Cenozoic 118(3-4) 257-281  
   Arctic region, Cenozoic 118(3-4) 257-281  
   Morocco, Quaternary 118(1-2) 107-117



- diorites *see* plagiogranite  
 disconformities *see* erosional unconformities  
 distribution coefficients *see* partition coefficients  
**Dorset England** 120(3-4) 309-325  
 dropstone *see* argillite  
 DSDP *see* Deep Sea Drilling Project  
**Duck North Carolina**  
 118(1-2) 61-77  
 geomorphology 117(1-4) 75-94  
 sediments 115(3-4) 271-287  
**dunes** *see also* coastal dunes  
 North Carolina, geomorphology 117(1-4) 75-94  
 Quebec, geomorphology 117(1-4) 57-74  
 Dutch East Indies *see* Indonesia  
 dykes *see* dikes  
 Earth waves *see* elastic waves  
 earth, diatomaceous *see* diatomaceous earth  
**East Greenland Current**  
 sedimentation 116(3-4) 327-345  
**East Indian Ocean**  
 117(1-4) 275-285  
 Quaternary 115(1-2) 29-46  
 East Mediterranean *see* Bannock Basin; Black Sea  
**East Pacific Ocean Islands**  
 ocean floors, Easter Island 118(3-4) 177-185  
**East Pacific Rise**  
 ocean floors 118(3-4) 177-185  
 East Pakistan *see* Bangladesh  
**Easter Group of Houtman Abrolhos Islands**  
 Quaternary 115(1-2) 29-46  
**Easter Island**  
 ocean floors 118(3-4) 177-185  
 Easter Island Cordillera *see* East Pacific Rise  
 Eastern Canada *see* Maritime Provinces; Ontario; Quebec  
**Ebro Delta** 115(3-4) 239-252  
**echinoderms**  
 Italy, Quaternary 117(1-4) 317-328  
**echo sounding**  
 India 117(1-4) 207-225  
 Namibia 115(1-2) 85-116  
 New Zealand, Quaternary 119(1-2) 75-98  
 Turkey 115(1-2) 129-142  
**ecology**  
 Arabian Sea, ocean circulation 120(3-4) 365-371  
 Arctic Ocean  
 geochemistry 119(3-4) 227-250  
 Quaternary 119(3-4) 251-267; 119(3-4) 305-332  
 Arctic region, Quaternary 119(3-4) 251-267  
 Bahamas 119(1-2) 175-177  
 Pacific Ocean 116(1-2) 227-242  
 economic geology *see* brines; petroleum  
**editorial**  
 marine geology 115(1-2) 1-13
- Egypt**  
 continental shelf, Nile Delta 117(1-4) 187-194; 121(3-4) 199-211  
 diagenesis 120(3-4) 373-383  
 geomorphology, Nile Delta 115(3-4) 253-261  
**El Nino**  
 California 116(3-4) 399-418  
**El Paramo Spit**  
 sedimentary petrology 115(3-4) 263-270  
**El Puntal Spain**  
 geomorphology 118(3-4) 195-206  
**elastic waves**  
 France 117(1-4) 177-185  
 engineering geology *see* geologic hazards; soil mechanics  
**England** *see also* Severn Estuary; Tamar Estuary  
 Dorset England 120(3-4) 309-325  
 Hampshire England 120(3-4) 309-325  
 ocean circulation 115(3-4) 207-226  
 Sussex England 120(3-4) 309-325  
**English Channel** 120(1-2) 27-40  
 ENSO *see* El Nino  
 environmental geology *see* ecology; geologic hazards; pollution; reclamation  
**Eocene**  
 Africa 120(3-4) 373-383  
 Eocene *see* Paleogene  
 eolian features *see* coastal dunes  
**erosion** *see also* shorelines  
 Egypt, geomorphology 115(3-4) 253-261  
 New Zealand  
 plate tectonics 116(3-4) 293-312  
 Quaternary 117(1-4) 155-175  
 North Carolina, sediments 115(3-4) 271-287  
 Northern Ireland, Quaternary 117(1-4) 19-34  
 Virginia, sediments 115(3-4) 271-287  
**erosion surfaces**  
 Japan 120(1-2) 75-87  
**erosional unconformities**  
 Arctic Ocean, Cenozoic 118(3-4) 257-281  
 Arctic region, Cenozoic 118(3-4) 257-281  
 Malaysia, Quaternary 120(3-4) 175-202  
 Peru 118(3-4) 237-256  
**eruptions**  
 Costa Rica, geomorphology 120(1-2) 13-26  
 eruptive rocks *see* volcanic rocks  
**estuarine sedimentation**  
 France 120(1-2) 27-40; 120(3-4) 267-290  
**Eurasian Plate**  
 Indonesia, plate tectonics 117(1-4) 119-134  
**Eure France** 120(1-2) 27-40  
**Europe** *see also* Southern Europe; Western Europe  
 Quaternary, Franz Josef Land 119(3-4) 301-304  
**European Atlantic** *see also* English Channel; Irish Sea; North Sea  
 continental shelf 120(3-4) 267-290
- European Plate** *see* Eurasian Plate  
**eustacy**  
 Mediterranean Sea, Quaternary 117(1-4) 195-205  
 facies *see* greenschist facies  
 faecal pellets *see* fecal pellets  
 Far East *see* Burma; Indonesia; Japan; Korea; Malaysia; Taiwan  
**fatty acids**  
 Italy, geochemistry 115(1-2) 117-127  
**faults** *see also* block structures; deformation; folds; fractures; grabens  
 left-lateral faults, Pacific Ocean 116(1-2) 57-68; 116(1-2) 69-87  
 normal faults, Italy 119(1-2) 137-157  
 strike-slip faults, Pacific Ocean 116(1-2) 69-87; 116(1-2) 113-132  
 transcurrent faults, New Zealand 116(3-4) 293-312  
 transform faults  
 Indian Ocean 115(1-2) 21-28  
 Pacific Ocean 116(1-2) 5-24; 116(1-2) 57-68  
 Turkey 115(1-2) 129-142  
**Fe** *see* iron  
 features, bottom *see* bottom features  
 features, shore *see* shore features  
**fecal pellets**  
 India, Quaternary 121(3-4) 293-315  
**Fifty Fathom Flat**  
 Quaternary 121(3-4) 293-315  
**Fiji Plateau**  
 plate tectonics 116(1-2) 57-68  
**Fiji transform fault**  
 plate tectonics 116(1-2) 57-68  
 fiord *see* fjords  
**fish**  
 Africa, diagenesis 120(3-4) 373-383  
**Fiume Orbo Fan** 117(1-4) 177-185  
**fjords**  
 Antarctic Ocean, sea water 121(3-4) 161-170  
**floods**  
 France, continental shelf 120(3-4) 267-290  
**Florida**  
 Cape Canaveral 119(1-2) 67-73  
**fluvial sedimentation**  
 France 120(3-4) 267-290  
 fluvial transport *see* stream transport  
 folds *see* fractures  
**foraminifera**  
 Globigerinoides ruber, Arabian Sea 120(3-4) 365-371  
 Globigerinoides sacculifer, Arabian Sea 120(3-4) 365-371  
 Neoglobobulimina pachyderma, Arctic Ocean 119(3-4) 227-250; 119(3-4) 333-355  
**foraminifers**  
 Arabian Sea, ocean circulation 120(3-4) 365-371

- Arctic Ocean**  
 geochemistry 119(3-4) 227-250  
 marine geology 119(3-4) 357-361  
 Quaternary 117(1-4) 303-316; 119(3-4) 251-267; 119(3-4) 333-355; 120(3-4) 335-364; 121(1-2) 129-141  
 Arctic region, Quaternary 119(3-4) 251-267  
 France, stratigraphy 117(1-4) 287-302  
 India, Quaternary 121(3-4) 293-315  
 Italy  
 geochemistry 115(1-2) 117-127  
 Quaternary 117(1-4) 317-328  
 New Zealand, Cretaceous 119(1-2) 1-5  
 Northern Ireland, Quaternary 117(1-4) 19-34  
 Norway, stratigraphy 115(3-4) 173-205  
 Tyrrhenian Sea, stratigraphy 117(1-4) 329-349  
 Western Australia, Quaternary 115(1-2) 29-46
- fore-arc basins**  
 Chile 119(1-2) 7-38  
 Indonesia, plate tectonics 117(1-4) 119-134  
 Peru 119(1-2) 7-38
- foreland basins**  
 New Zealand, plate tectonics 116(3-4) 293-312
- Formby Point**  
 geomorphology 119(1-2) 39-56
- Formosa** *see* Taiwan
- fractional crystallization**  
 Italy, geochemistry 119(1-2) 137-157  
 Vanuatu, petrology 116(1-2) 197-213
- fracture zones**  
 California 115(1-2) 47-65
- fractures**  
 columnar joints, Pacific Ocean 116(1-2) 113-132  
 Indian Ocean, crust 115(3-4) 165-171
- Fram Strait**  
 Quaternary 117(1-4) 35-55  
 sedimentation 116(3-4) 327-345
- France** *see also* Corsica  
 Calvados France 120(1-2) 27-40  
 continental shelf  
 Aquitaine 120(3-4) 267-290  
 Gironde Estuary 120(3-4) 267-290  
 Eure France 120(1-2) 27-40  
 Quaternary  
 Bouches-du-Rhone France 120(3-4) 203-223  
 Var France 120(3-4) 203-223  
 Seine Estuary 120(1-2) 27-40  
 Seine-Maritime France 120(1-2) 27-40  
 stratigraphy, Var France 117(1-4) 287-302
- francolite**  
 Namibia 115(1-2) 85-116
- Franz Josef Land**  
 Quaternary 119(3-4) 301-304
- Fraser River delta**  
 continental shelf 118(1-2) 49-60
- French Gulana**  
 Quaternary 121(3-4) 231-245
- fyord** *see* fjords
- Ganges River** 120(1-2) 41-61
- gasoline** *see* hydrocarbons
- gastropods**  
 Pacific Ocean, ecology 116(1-2) 227-242
- Gauss Epoch**  
 Pacific Ocean 116(1-2) 89-100
- geochemical anomalies**  
 Indian Ocean, geochemistry 120(3-4) 385-400
- geochemical cycle**  
 Atlantic Ocean, geochemistry 121(3-4) 317-332
- geochemistry**  
 lithogeochemistry  
 India 121(3-4) 293-315  
 Italy 119(1-2) 137-157  
 geochronology *see* absolute age; Cenozoic; Cretaceous; Eocene; Holocene; Jurassic; Mesozoic; Miocene; Neogene; Paleogene; Phanerozoic; Pleistocene; Pliocene; Quaternary; Tertiary  
 geologic hazards *see* floods; hurricanes  
 Geological Long-Range Inclined ASDIC *see* GLORIA  
 geological oceanography *see* marine geology  
 geomorphology *see* changes of level; glacial geology; mass movements; shore features
- geophysical methods**  
 acoustical methods 119(1-2) 57-65  
 seismic methods 118(1-2) 1-3  
 geophysical surveys *see* acoustical surveys; gravity surveys; magnetic surveys; seismic surveys
- Geotechnical Module** 120(3-4) 291-308
- geotectonics** *see* tectonics
- German Southwest Africa** *see* Namibia
- Gironde Estuary**  
 continental shelf 120(3-4) 267-290  
 glacial features *see* fjords  
 glacial geology *see* ice sheets; isostatic rebound  
 glacial recession *see* de  
 glaciation *see* changes of level; deglaciation; erosion; ice movement; ice sheets  
 glaciology *see* glacial geology
- glaciomarine sedimentation**  
 Antarctic Ocean 121(3-4) 161-170  
 Arctic Ocean 121(1-2) 87-103  
 Quaternary 119(3-4) 333-355; 120(3-4) 335-364  
 Atlantic Ocean, geochemistry 121(3-4) 317-332  
 Bering Sea, Quaternary 118(1-2) 119-137  
 Russian Federation, Quaternary 119(3-4) 301-304  
 Scandinavia 121(1-2) 87-103
- glaucinite**  
 Namibia 115(1-2) 85-116
- Globigerinacea** *see* Neogloboquadrina
- pachyderma**
- Globigerinoides** *see* Globigerinoides sacculifer
- Globigerinoides ruber**  
 Arabian Sea, ocean circulation 120(3-4) 365-371
- Globigerinoides sacculifer**  
 Arabian Sea, ocean circulation 120(3-4) 365-371
- GLORIA**  
 Pacific Ocean, plate tectonics 116(1-2) 57-68  
 West Pacific Ocean Islands 118(3-4) 217-236
- Goa India**  
 geomorphology 118(3-4) 207-216
- Golo Fan** 117(1-4) 177-185
- grabens**  
 Pacific Ocean  
 ocean floors 116(1-2) 133-151  
 plate tectonics 116(1-2) 113-132
- gravel**  
 Argentina 115(3-4) 263-270  
 Northern Ireland, Quaternary 117(1-4) 19-34
- gravity faults** *see* normal faults
- gravity surveys**  
 India 118(3-4) 283-290  
 Indian Ocean, tectonophysics 115(1-2) 21-28
- Great Barrier Reef** 116(3-4) 255-258; 121(3-4) 265-291
- Great Britain** *see* England; Wales
- Great Lakes**  
 geophysical surveys, Lake Huron 119(1-2) 57-65
- Greenland Sea**  
 continental slope 121(1-2) 121-128  
 marine geology 121(1-2) 75-141  
 Quaternary 117(1-4) 35-55; 120(3-4) 335-364; 121(1-2) 77-85; 121(1-2) 129-141
- greenschist facies**  
 Atlantic Ocean, petrology 117(1-4) 237-251
- ground water**  
 Queensland Australia 115(3-4) 227-238
- Gulf of Mexico**  
 ecology 119(1-2) 175-177
- guyots** *see* seamounts
- gypsum**  
 Mediterranean Sea, geochemistry 115(1-2) 15-19
- H** *see* hydrogen
- H-2** *see* deuterium
- hafnium**  
 Indian Ocean 115(3-4) 307-329
- Halimeda**  
 India, Quaternary 121(3-4) 293-315
- halogens** *see* chlorine
- Hampshire England** 120(3-4) 309-325
- hardground**  
 Italy, Quaternary 117(1-4) 317-328



**Hawaii**

- Cenozoic, Kauai 115(3-4) 289-306
- Quaternary, Oahu 118(3-4) 315-326
- hazards, geologic *see* geologic hazards
- Heard Plateau *see* Kerguelen Plateau
- heavy metals
  - England, Quaternary 118(3-4) 327-334
- heavy minerals
  - Egypt
    - continental shelf 117(1-4) 187-194; 121(3-4) 199-211
    - geomorphology 115(3-4) 253-261
  - Malaysia, Quaternary 120(3-4) 175-202
- Hf *see* hafnium
- Hikurangi Plateau
  - Cretaceous 119(1-2) 1-5
  - tectonophysics 118(1-2) 139-151; 118(1-2) 153-173
- Himalayas *see* India
- Hine Hina hydrothermal vent
  - ecology 116(1-2) 227-242
- Holland *see* Netherlands
- Holocene
  - 120(1-2) 1-127
  - Alaska 116(3-4) 351-372
  - Arctic Ocean 117(1-4) 303-316; 119(3-4) 227-250; 119(3-4) 251-267; 119(3-4) 333-355
  - Arctic region 119(3-4) 251-267
  - Bering Sea 118(1-2) 119-137
  - California 116(3-4) 399-418
  - Costa Rica 120(1-2) 13-26
  - England 118(3-4) 327-334
  - France 120(3-4) 203-223
  - India 117(1-4) 207-225; 117(1-4) 227-236; 118(3-4) 187-194
  - Indian Ocean 115(3-4) 307-329
  - Italy 117(1-4) 317-328
  - Japan 120(1-2) 105-127
  - Korea 120(1-2) 89-103
  - Morocco 118(1-2) 107-117
  - New Zealand 119(1-2) 75-98
  - North Carolina 117(1-4) 253-273
  - Spain 120(3-4) 129-174
  - Western Australia 115(1-2) 29-46
- Honolulu County Hawaii *see* Oahu
- hot spots
  - East Pacific Ocean Islands, ocean floors 118(3-4) 177-185
  - India 118(3-4) 283-290
  - Indonesia, stratigraphy 116(3-4) 267-291
  - Pacific Ocean, magmas 116(1-2) 153-178
- Houtman Abrolhos Islands
  - Quaternary 115(1-2) 29-46
- Huanghai Sea *see* Yellow Sea
- Hudson Bay
  - geomorphology 117(1-4) 57-74
- Hunter Ridge
  - magmas 116(1-2) 153-178

**Hurricane Grace 118(1-2) 61-77****hurricanes**

- North Carolina 118(1-2) 61-77

**Hwang Hai *see* Yellow Sea****hydraulic conductivity**

- sea water 120(1-2) 1-12

**hydrocarbons**

- Italy, geochemistry 115(1-2) 117-127

**hydrogen *see also* deuterium**

- Arctic Ocean 119(3-4) 269-285

**hydrogeology *see* ground water****hydrothermal vents *see also* black smokers**

- Pacific Ocean 116(1-2) 215-226; 116(1-2) 243-253

**Iberian Peninsula *see* Spain****ice mantle *see* ice sheets****ice movement**

- Arctic Ocean, continental shelf 121(1-2) 87-103
- Scandinavia, continental shelf 121(1-2) 87-103

**ice rafting**

- Arctic Ocean 119(3-4) 185-214
- continental slope 121(1-2) 121-128
- geochemistry 121(1-2) 105-119
- stratigraphy 119(3-4) 287-300
- Bering Sea, Quaternary 118(1-2) 119-137

**ice regime**

- Alaska 119(3-4) 215-225

**ice sheets**

- Northern Ireland, Quaternary 117(1-4) 19-34

**Norway**

- Quaternary 117(1-4) 35-55
- stratigraphy 115(3-4) 173-205
- Nova Scotia, Quaternary 117(1-4) 135-154

**ice-rafting *see* ice rafting****icebergs**

- Norway, Quaternary 117(1-4) 35-55

**Ifremeria nautili**

- ecology 116(1-2) 227-242

**igneous rocks**

- andesites, Costa Rica 120(1-2) 13-26
- dacites, Vanuatu 116(1-2) 197-213
- mid-ocean ridge basalts, Pacific Ocean 116(1-2) 113-132; 116(1-2) 153-178; 116(1-2) 179-195
- plagiogranite, Vanuatu 116(1-2) 197-213
- pumice, Indian Ocean 115(3-4) 307-329
- tholeiitic basalt, Vanuatu 116(1-2) 197-213
- volcanic rocks, New Zealand 119(1-2) 1-5

**illite**

- Namibia 115(1-2) 85-116
- sedimentation 116(3-4) 327-345

**India *see also* Indian Plate**

- 117(1-4) 207-225; 117(1-4) 227-236; 117(1-4) 275-285
- geomorphology
  - Goa India 118(3-4) 207-216
  - Karnataka India 118(3-4) 207-216

- Quaternary 118(3-4) 187-194; 121(3-4) 293-315

**Indian Ocean *see also* Arabian Sea; Red Sea**

- 115(3-4) 307-329; 116(3-4) 259-266; 120(3-4) 225-247

**Andaman Sea 117(1-4) 275-285**

- Bay of Bengal 117(1-4) 275-285; 120(1-2) 41-61

**crust 115(3-4) 165-171****East Indian Ocean 117(1-4) 275-285****geochemistry 120(3-4) 385-400****Quaternary 118(3-4) 187-194**

- East Indian Ocean 115(1-2) 29-46

**stratigraphy**

- Kerguelen Plateau 116(3-4) 267-291

**Ninetyeast Ridge 116(3-4) 267-291****Wharton Basin 116(3-4) 267-291****tectonophysics**

- Carlsberg Ridge 115(1-2) 21-28

**Mid-Indian Ridge 115(1-2) 21-28****Wharton Basin 117(1-4) 275-285****Indian Ocean Ridge *see* Mid-Indian Ridge****Indian Peninsula *see* Bangladesh; India; Sri Lanka****Indian Plate**

- India 118(3-4) 283-290
- Indonesia, plate tectonics 117(1-4) 119-134
- Pacific Ocean, tectonophysics 116(1-2) 25-35; 116(1-2) 37-56

**Indian Ridge *see* Mid-Indian Ridge****Indo-Australian Plate**

- West Pacific Ocean Islands 118(3-4) 217-236

**Indonesia**

- Java 117(1-4) 275-285
- plate tectonics, Sunda Arc 117(1-4) 119-134
- stratigraphy 116(3-4) 267-291
- Sumatra 117(1-4) 275-285

**infragravity waves**

- Prince Edward Island, ocean waves 118(1-2) 23-48

**inner transition elements *see* rare earths****INSSEV**

- sedimentation 117(1-4) 107-117

**intertidal sedimentation**

- 120(1-2) 1-127
- Belgium 121(1-2) 1-21; 121(1-2) 23-41; 121(1-2) 43-55; 121(1-2) 57-72
- France 120(1-2) 27-40
- Japan 120(1-2) 63-74

**intrusions**

- dikes, Pacific Ocean 116(1-2) 113-132

**Invertebrata *see* Coelenterata****Invertebrates *see also* arthropods; corals; echinoderms; foraminifers; mollusks; radiolarians; sponges**

- silicoflagellates, Peru 118(3-4) 237-256

**ionium *see* Th-230****Irish Sea**

- geomorphology 119(1-2) 39-56



**Irminger Current**

Quaternary 121(3-4) 247-263

**iron**

Burma 117(1-4) 275-285

France, stratigraphy 117(1-4) 287-302

India 117(1-4) 275-285

Indonesia 117(1-4) 275-285

Italy, Quaternary 117(1-4) 317-328

Sri Lanka 117(1-4) 275-285

Western Australia 117(1-4) 275-285

**ironstone**

Italy, Quaternary 117(1-4) 317-328

island arcs *see* back-arc basinsisland-arc areas *see* island arcs**Isle of Man** 120(3-4) 309-325**isostatic rebound**

Northern Ireland, Quaternary 117(1-4) 19-34

**isothermal remanent magnetization**

Tasman Sea, Quaternary 117(1-4) 1-17

**isotopes** *see also* stable isotopes

C-13/C-12, Arctic Ocean 119(3-4) 227-250; 119(3-4) 333-355

C-14

Arctic Ocean 119(3-4) 333-355

France 120(3-4) 203-223

India 117(1-4) 207-225

Nova Scotia 117(1-4) 135-154

Western Australia 115(1-2) 29-46

Cs-137, Alaska 116(3-4) 351-372

India, Quaternary 121(3-4) 293-315

Nd-144/Nd-143

North Carolina 117(1-4) 253-273

Pacific Ocean 116(1-2) 179-195

Red Sea 118(3-4) 291-302

O-18/O-16

Arctic Ocean 119(3-4) 227-250; 119(3-4) 333-355; 121(1-2) 77-85

Norway 115(3-4) 173-205

Tyrrhenian Sea 117(1-4) 329-349

Pb-210

Alaska 116(3-4) 351-372

Black Sea 116(3-4) 373-384

California 116(3-4) 399-418

England 118(3-4) 327-334

Taiwan 119(1-2) 99-109

Sr-87/Sr-86

North Carolina 117(1-4) 253-273

Pacific Ocean 116(1-2) 179-195

Red Sea 118(3-4) 291-302

Th-230, Taiwan 119(1-2) 99-109

**Italy**

geochemistry

Calabria Italy 115(1-2) 117-127

Lipari Islands 119(1-2) 137-157

Quaternary 117(1-4) 317-328

**James River**

sediments 115(3-4) 271-287

**Japan**

120(1-2) 75-87; 120(1-2) 105-127

ocean waves, Ariake Bay 120(1-2) 63-74

**Java** 117(1-4) 275-285**Java Trench** 117(1-4) 275-285**Jean Charcot Trough**

petrology 116(1-2) 197-213

**Jurassic**

Arctic Ocean 119(3-4) 287-300

**Kalpeni Atoll**

Quaternary 118(3-4) 187-194

**kaolinite**

Namibia 115(1-2) 85-116

sedimentation 116(3-4) 327-345

**Karnataka India**

geomorphology 118(3-4) 207-216

**Kauai**

Cenozoic 115(3-4) 289-306

**Kavaratti Atoll**

Quaternary 118(3-4) 187-194

kerabitumen *see* kerogen**Kerguelen Plateau**

stratigraphy 116(3-4) 267-291

**Kermadec Islands** 118(3-4) 217-236**kerogen**

France, stratigraphy 117(1-4) 287-302

**Kiltan Atoll**

Quaternary 118(3-4) 187-194

**Kolbeinsey Ridge**

geochemistry 121(1-2) 105-119

**Korea**

South Korea 120(1-2) 89-103

**Korea Strait** 120(1-2) 89-103**Kuril Trench**

Quaternary 118(1-2) 119-137

Kyushu *see* Ariake Bay**Labrador Sea**

Quaternary 121(3-4) 247-263

**lacustrine sedimentation**

Ontario, geophysical surveys 119(1-2) 57-65

**Lake Huron**

geophysical surveys 119(1-2) 57-65

**Lakshadweep Islands**

Quaternary 118(3-4) 187-194

**laminations**

Alaska, geochemistry 116(3-4) 351-372

Black Sea, ocean floors 116(3-4) 373-384

California 116(3-4) 399-418; 116(3-4) 419-430

France, stratigraphy 117(1-4) 287-302

Northern Ireland, Quaternary 117(1-4) 19-34

Peru, Quaternary 116(3-4) 385-398

**laminite**

France, stratigraphy 117(1-4) 287-302

Italy, geochemistry 115(1-2) 117-127

land use *see* reclamationlanthanoans *see* rare earths**Laptev Sea** 119(3-4) 185-214; 119(3-4) 215-225lateral faults *see* left-lateral faultslatitude, paleo- *see* paleolatitude**Lau Basin**

ecology 116(1-2) 227-242

plate tectonics 116(1-2) 113-132

**lava**

East Pacific Ocean Islands, ocean floors 118(3-4) 177-185

Italy, geochemistry 119(1-2) 137-157

Pacific Ocean

ocean floors 116(1-2) 133-151

plate tectonics 116(1-2) 113-132

Vanuatu 116(1-2) 197-213

**lead**

Pb-210

Alaska 116(3-4) 351-372

Black Sea 116(3-4) 373-384

California 116(3-4) 399-418

England 118(3-4) 327-334

Taiwan 119(1-2) 99-109

lead-lead *see* Pb/Pb**left-lateral faults**

Pacific Ocean

plate tectonics 116(1-2) 57-68

tectonophysics 116(1-2) 69-87

**Leg 104**

continental shelf 121(1-2) 87-103

stratigraphy 115(3-4) 173-205

Leg 107 *see* ODP Site 653**Leg 112**

diagenesis 118(1-2) 5-22

**Leg 133** 121(3-4) 265-291level, changes of *see* changes of level**limestone**

Hawaii, Quaternary 118(3-4) 315-326

India, Quaternary 121(3-4) 293-315

**lineaments**

Pacific Ocean, tectonophysics 116(1-2) 37-56

**Lipari Islands**

geochemistry 119(1-2) 137-157

**lithochemistry**

India, Quaternary 121(3-4) 293-315

Italy 119(1-2) 137-157

**Lithophyllum**

France, Quaternary 120(3-4) 203-223

**lithostratigraphy** *see also* seismic stratigraphy

Malaysia 120(3-4) 175-202

Norway, Quaternary 117(1-4) 35-55

**littoral drift**

India, geomorphology 118(3-4) 207-216

Irish Sea, geomorphology 119(1-2) 39-56

**Lofoten Basin**

sedimentation 116(3-4) 327-345

**Lombok Basin**

plate tectonics 117(1-4) 119-134

**Lomonosov Ridge**

Quaternary 119(3-4) 305-332

**longshore bars**

Mediterranean Sea 115(3-4) 239-252

longshore drift *see* littoral drift**low-grade metamorphism**

Atlantic Ocean 117(1-4) 237-251

lower Neogene *see* Miocenelower Pleistocene *see* Olduvai Event**Loyalty Basin** 121(3-4) 265-291M-discontinuity *see* Mohorovicic discontinuity**maghemite**

Tasman Sea, Quaternary 117(1-4) 1-17

magma *see* magmas**magma chambers**

Pacific Ocean

geochemistry 116(1-2) 179-195

tectonophysics 116(1-2) 101-111

Vanuatu, petrology 116(1-2) 197-213

**magma contamination**

Pacific Ocean

magmas 116(1-2) 153-178

plate tectonics 116(1-2) 113-132

magma reservoir *see* magma chambersmagmas *see also* fractional crystallization; magma chambers

Costa Rica, geomorphology 120(1-2) 13-26

Pacific Ocean 116(1-2) 153-178

**magnetic anomalies**

India 118(3-4) 283-290

New Zealand, tectonophysics 118(1-2) 139-151

Pacific Ocean, tectonophysics 116(1-2) 5-24; 116(1-2) 69-87; 116(1-2) 89-100

**magnetic intensity**

Pacific Ocean, tectonophysics 116(1-2) 89-100

magnetic iron ore *see* magnetitemagnetic surveys *see also* magnetic anomalies

Indian Ocean 115(1-2) 21-28

Pacific Ocean, tectonophysics 116(1-2) 37-56

**magnetic susceptibility**

Tasman Sea, Quaternary 117(1-4) 1-17

magnetism, paleo- *see* paleomagnetism**magnetite**

Tasman Sea, Quaternary 117(1-4) 1-17

magnetization *see* remanent magnetization**Majorca**

Quaternary 120(3-4) 129-174

**Makarov Basin**

Quaternary 119(3-4) 305-332

Malacca Straits *see* Strait of Malacca**Malaga Spain**

Quaternary 120(3-4) 129-174; 120(3-4) 249-265

**Malaysia**

Quaternary 120(3-4) 175-202

Mallorca *see* Majorca**manganese**

Atlantic Ocean, geochemistry 121(3-4) 317-332

France, stratigraphy 117(1-4) 287-302

Pacific Ocean, geochemistry 116(1-2) 243-253; 118(3-4) 303-313

**manganite** 115(1-2) 67-83mantle *see* hot spots**maps**

bathymetric maps, Pacific Ocean 116(1-2)

margin, continental *see* continental margin**marginal seas**

Turkey 121(3-4) 213-230

marginal trench *see* trenches**marine geology** *see also* bottom features; continental shelf; ocean floors; ocean waves; submarine canyons

115(1-2) 1-13; 115(1-2) 153-156; 120(1-2) 1-127

Arctic Ocean 119(3-4) 179-184; 119(3-4) 179-364; 119(3-4) 357-361; 121(1-2) 75-141

geophysical surveys 118(1-2) 1-3

North Sea 119(1-2) 177-178

Norway 117(1-4) 351

**marine sedimentation** *see also* glaciomarine sedimentation; marine transport

120(1-2) 1-127

Arctic Ocean 119(3-4) 357-361

geochemistry 121(1-2) 105-119

Atlantic Ocean 119(1-2) 159-171

France 120(3-4) 267-290

New Zealand, Quaternary 119(1-2) 75-98

North Sea 119(1-2) 177-178

Nova Scotia 120(3-4) 291-308

Pacific Ocean 120(3-4) 327-333

Queensland Australia 121(3-4) 265-291

Red Sea, geochemistry 118(3-4) 291-302

Spain, Quaternary 120(3-4) 129-174

Taiwan 119(1-2) 99-109

**marine sediments**

116(3-4) 327-345; 119(1-2) 111-136; 120(1-2) 1-12; 120(1-2) 1-127

Antarctic Ocean 121(3-4) 161-170

Arctic Ocean 119(3-4) 185-214; 119(3-4) 357-361; 121(1-2) 87-103; 121(1-2) 121-128

Cenozoic 118(3-4) 257-281

geochemistry 119(3-4) 227-250; 119(3-4) 269-285; 121(1-2) 105-119

Quaternary 117(1-4) 303-316; 119(3-4) 251-267; 119(3-4) 305-332; 119(3-4) 333-355; 120(3-4) 335-364; 121(1-2) 77-85

Arctic region

Cenozoic 118(3-4) 257-281

Quaternary 119(3-4) 251-267

Atlantic Ocean 119(1-2) 159-171

geochemistry 121(3-4) 317-332

Quaternary 118(1-2) 79-105; 121(3-4) 247-263

Bangladesh 120(1-2) 41-61

Belgium 121(1-2) 23-41; 121(3-4) 171-185

Bering Sea, Quaternary 118(1-2) 119-137

British Columbia 118(1-2) 49-60

Burma 117(1-4) 275-285

California 116(3-4) 399-418

Chile 119(1-2) 7-38

Egypt 117(1-4) 187-194; 121(3-4) 199-211

England 120(3-4) 309-325

Florida 119(1-2) 67-73

France 120(1-2) 27-40; 120(3-4) 267-290

French Guiana, Quaternary 121(3-4) 231-245

geochemistry 117(1-4) 95-106

India 117(1-4) 227-236; 117(1-4) 275-285

Quaternary 121(3-4) 293-315

Indonesia 117(1-4) 275-285

Japan 120(1-2) 105-127

Korea 120(1-2) 89-103

Malaysia, Quaternary 120(3-4) 175-202

Morocco, Quaternary 118(1-2) 107-117

Namibia 115(1-2) 85-116

New Zealand, Quaternary 119(1-2) 75-98

Nova Scotia 120(3-4) 291-308

Pacific Ocean 120(3-4) 327-333

Peru 119(1-2) 7-38

Quaternary 116(3-4) 385-398

Queensland Australia 121(3-4) 265-291

Red Sea, geochemistry 118(3-4) 291-302

Russian Federation, Quaternary 119(3-4) 301-304

Scandinavia 121(1-2) 87-103

South Africa 120(3-4) 225-247

Spain, Quaternary 120(3-4) 129-174; 120(3-4) 249-265

Sri Lanka 117(1-4) 275-285

Taiwan 119(1-2) 99-109

Tasman Sea, Quaternary 117(1-4) 1-17

Turkey 115(1-2) 129-142; 121(3-4) 213-230

Wales 120(3-4) 309-325

Western Australia 117(1-4) 275-285

**marine terraces**

India 117(1-4) 207-225

**marine transport**

Arctic Ocean 119(3-4) 185-214

geochemistry 119(3-4) 269-285

Quaternary 121(1-2) 77-85

stratigraphy 119(3-4) 287-300

Atlantic Ocean, Quaternary 118(1-2) 79-105

Bangladesh 120(1-2) 41-61

Belgium, continental shelf 121(3-4) 171-185

England 120(3-4) 309-325

Florida 119(1-2) 67-73

France 120(1-2) 27-40

Irish Sea, geomorphology 119(1-2) 39-56



- Japan 120(1-2) 75-87  
 Korea 120(1-2) 89-103  
 New Jersey 115(1-2) 143-151  
 North Carolina 118(1-2) 61-77  
 Prince Edward Island, ocean waves 118(1-2) 23-48  
 sea water 120(1-2) 1-12  
 sedimentation 116(3-4) 327-345  
 South Africa 120(3-4) 225-247  
 Wales 120(3-4) 309-325  
 Maritime Provinces *see* Nova Scotia; Prince Edward Island
- marl**  
 Italy, geochemistry 115(1-2) 117-127  
 marshes *see* salt marshes
- Marsili Seamount**  
 geochemistry 119(1-2) 137-157
- mass movements** *see also* debris flows  
 Arctic Ocean, Cenozoic 118(3-4) 257-281  
 Arctic region, Cenozoic 118(3-4) 257-281  
 mass spectroscopy *see* accelerator mass spectroscopy
- Matuyama Epoch**  
 Indian Ocean 115(1-2) 21-28  
 Pacific Ocean 116(1-2) 89-100
- Mauritania**  
 diagenesis 120(3-4) 373-383  
 Mediterranean region *see* Corsica
- Mediterranean Sea** *see also* East Mediterranean; West Mediterranean  
 115(1-2) 129-142; 115(3-4) 239-252  
 continental shelf 121(3-4) 199-211  
 geochemistry 115(1-2) 117-127  
 Bannock Basin 115(1-2) 15-19  
 Quaternary 117(1-4) 195-205  
 Alboran Sea 120(3-4) 249-265  
 meetings *see* symposia  
 Melanesia *see* Vanuatu
- Merseyside England**  
 geomorphology 119(1-2) 39-56
- Mesozoic** *see also* Cretaceous; Jurassic  
 New Zealand 118(1-2) 153-173
- metallogeology**  
 Red Sea, geochemistry 118(3-4) 291-302
- metals** *see* alkali metals; aluminum; hafnium; iron; manganese; niobium; rare earths; zirconium
- metamorphic rocks**  
 metasilstone, Atlantic Ocean 117(1-4) 237-251  
 quartzites, Atlantic Ocean 117(1-4) 237-251
- metamorphism**  
 low-grade metamorphism, Atlantic Ocean 117(1-4) 237-251
- metasilstone**  
 Atlantic Ocean 117(1-4) 237-251
- mica group *see* glauconite  
 microfossils *see* algal flora; foraminifers; ostracods; palynomorphs; radiolarians  
**micropaleontology** 119(1-2) 173-174  
 microseismicity *see* seismicity
- Mid-Indian Ridge**  
 tectonophysics 115(1-2) 21-28
- mid-ocean ridge basalts**  
 Pacific Ocean 116(1-2) 153-178  
 geochemistry 116(1-2) 179-195  
 plate tectonics 116(1-2) 113-132
- mid-ocean ridges** *see also* Carlsberg Ridge; Mid-Indian Ridge  
 Arctic Ocean, geochemistry 121(1-2) 105-119  
 Pacific Ocean  
 geochemistry 116(1-2) 215-226  
 tectonophysics 116(1-2) 5-24; 116(1-2) 101-111
- Middelkerke Bank**  
 121(1-2) 23-41  
 continental shelf 121(1-2) 1-21  
 sediments 121(1-2) 43-55; 121(1-2) 57-72
- Middle America Trench** 118(3-4) 237-256
- Middle Atlantic Bight** 118(1-2) 61-77
- Middle East** *see* Turkey
- midoceanic ridges** *see* mid-ocean ridges
- mineralogy** *see* aluminosilicates; carbonates
- Miocene**  
 California 115(1-2) 47-65  
 Monterey Formation, sedimentary petrology 116(3-4) 419-430  
 Norway 115(3-4) 173-205  
 Pungo River Formation 117(1-4) 253-273  
 Queensland Australia 121(3-4) 265-291
- Mn** *see* manganese
- MODFLOW**  
 sea water 120(1-2) 1-12
- Mohorovicic discontinuity**  
 Pacific Ocean 116(1-2) 101-111
- mollusks**  
 ammonoids, France 117(1-4) 287-302  
 bivalves  
 Northern Ireland 117(1-4) 19-34  
 Pacific Ocean 116(1-2) 227-242  
 gastropods, Pacific Ocean 116(1-2) 227-242  
 Italy, Quaternary 117(1-4) 317-328
- monsoons**  
 Arabian Sea, ocean circulation 120(3-4) 365-371
- Monterey Formation**  
 sedimentary petrology 116(3-4) 419-430
- MORB** *see* mid-ocean ridge basalts
- Morocco**  
 diagenesis 120(3-4) 373-383  
 Quaternary 118(1-2) 107-117
- morphodynamics**  
 Netherlands, shore features 121(3-4) 187-197
- Morris Jesup Rise**  
 Quaternary 119(3-4) 251-267; 119(3-4) 305-332
- movements, mass *see* mass movements
- mud**  
 Egypt 117(1-4) 187-194  
 France 120(3-4) 267-290  
 Northern Ireland, Quaternary 117(1-4) 19-34
- mud balls, armored** *see* armored mud balls
- mudstone**  
 California 115(1-2) 47-65
- Mussel Valley hydrothermal vent**  
 ecology 116(1-2) 227-242
- Myanmar** *see* Burma
- mytilids**  
 Pacific Ocean, ecology 116(1-2) 227-242
- Na** *see* sodium
- Namibia** *see* Walvis Bay
- Nankai Trough**  
 geochemistry 118(3-4) 303-313
- nannofossils**  
 Arctic Ocean  
 marine geology 119(3-4) 357-361  
 Quaternary 120(3-4) 335-364  
 stratigraphy 119(3-4) 287-300  
 Atlantic Ocean, Quaternary 121(3-4) 247-263  
 France, stratigraphy 117(1-4) 287-302  
 Hawaii, Cenozoic 115(3-4) 289-306  
 Tyrrhenian Sea, stratigraphy 117(1-4) 329-349
- Nansen Basin**  
 Quaternary 119(3-4) 251-267; 119(3-4) 305-332
- Narrows Basin**  
 plate tectonics 116(3-4) 293-312
- Natal South Africa** *see* Zululand
- natrium** *see* sodium
- Nb** *see* niobium
- Nd-144/Nd-143**  
 North Carolina, stratigraphy 117(1-4) 253-273  
 Pacific Ocean, geochemistry 116(1-2) 179-195  
 Red Sea, geochemistry 118(3-4) 291-302
- neodymium**  
 Nd-144/Nd-143  
 North Carolina 117(1-4) 253-273  
 Pacific Ocean 116(1-2) 179-195  
 Red Sea 118(3-4) 291-302
- Neogene** *see also* Miocene; Pliocene  
 115(1-2) 160-161; 119(1-2) 111-136  
 Peru 118(1-2) 5-22
- Neogloboquadrina pachyderma**  
 Arctic Ocean  
 geochemistry 119(3-4) 227-250  
 Quaternary 119(3-4) 333-355
- neotectonics** *see* uplifts
- Netherland India** *see* Indonesia
- Netherlands**  
 shore features 121(3-4) 187-197

- New Hebrides** *see* Vanuatu
- New Jersey**  
Cape May County New Jersey 115(1-2) 143-151
- New Zealand** *see also* North Island  
plate tectonics, Wanganui Valley 116(3-4) 293-312  
Quaternary 117(1-4) 155-175  
Coromandel Peninsula 119(1-2) 75-98  
**Nicobar Fan** 117(1-4) 275-285
- Nile Delta**  
continental shelf 117(1-4) 187-194; 121(3-4) 199-211  
geomorphology 115(3-4) 253-261
- Ninetyeast Ridge**  
stratigraphy 116(3-4) 267-291
- niobium**  
Indian Ocean 115(3-4) 307-329
- nodules**  
119(1-2) 111-136  
California 115(1-2) 47-65  
Hawaii, Cenozoic 115(3-4) 289-306  
Indian Ocean 115(3-4) 307-329; 116(3-4) 259-266  
geochemistry 120(3-4) 385-400  
mineralogy 115(1-2) 67-83
- normal faults**  
Italy, geochemistry 119(1-2) 137-157  
North Africa *see* Egypt; Morocco; Tunisia  
North America *see also* Great Lakes  
continental shelf, Strait of Georgia 118(1-2) 49-60  
North American Atlantic *see* Caribbean Sea; Gulf of Mexico; Hudson Bay; Labrador Sea; Sohm abyssal plain  
North Atlantic *see* Cape Verde Atlantic; European Atlantic; North American Atlantic  
North Carolina *see also* Outer Banks  
Currituck County North Carolina 118(1-2) 61-77  
sediments 115(3-4) 271-287  
stratigraphy, Onslow Bay 117(1-4) 253-273
- North Fiji Basin**  
116(1-2) 1-3  
ecology 116(1-2) 227-242  
geochemistry 116(1-2) 179-195; 116(1-2) 215-226; 116(1-2) 243-253  
magmas 116(1-2) 153-178  
ocean floors 116(1-2); 116(1-2) 133-151  
plate tectonics 116(1-2) 113-132  
tectonophysics 116(1-2) 5-24; 116(1-2) 25-35; 116(1-2) 37-56; 116(1-2) 69-87; 116(1-2) 89-100; 116(1-2) 101-111
- North Island**  
Cretaceous 119(1-2) 1-5  
Quaternary 119(1-2) 75-98  
tectonophysics 118(1-2) 139-151; 118(1-2) 153-173
- North Polar Sea** *see* Arctic Ocean
- North Pole**  
Quaternary 119(3-4) 251-267
- North Sea**  
121(1-2) 23-41  
continental shelf 121(1-2) 1-21; 121(3-4) 171-185  
marine geology 119(1-2) 177-178  
sediments 121(1-2) 43-55; 121(1-2) 57-72
- Northern Ireland**  
Quaternary 117(1-4) 19-34  
Northwest Atlantic *see* Bermuda Rise  
Northwest Pacific *see* Nankai Trough
- Norway**  
117(1-4) 351  
Quaternary 117(1-4) 35-55  
stratigraphy 115(3-4) 173-205
- Norwegian Sea** *see also* Voring Plateau  
geochemistry 121(1-2) 105-119  
marine geology 121(1-2) 75-141  
Quaternary 117(1-4) 303-316; 120(3-4) 335-364; 121(1-2) 77-85
- Nova Scotia**  
120(3-4) 291-308; 121(3-4) 143-160  
Quaternary 117(1-4) 135-154  
Nova Scotian Shelf *see* Scotian Shelf
- O** *see* oxygen
- O-18/O-16**  
Arctic Ocean  
geochemistry 119(3-4) 227-250  
Quaternary 119(3-4) 333-355; 121(1-2) 77-85  
Norway, stratigraphy 115(3-4) 173-205  
Tyrrhenian Sea, stratigraphy 117(1-4) 329-349
- Oahu**  
Quaternary 118(3-4) 315-326
- ocean circulation** *see also* ocean currents  
115(1-2) 160-161  
Alaska 119(3-4) 215-225  
Arabian Sea 120(3-4) 365-371  
Arctic Ocean 119(3-4) 185-214  
Quaternary 120(3-4) 335-364  
Bangladesh 120(1-2) 41-61  
England 115(3-4) 207-226; 120(3-4) 309-325  
Wales 120(3-4) 309-325
- ocean crust** *see* oceanic crust
- ocean currents**  
Arctic Ocean, geochemistry 119(3-4) 269-285  
Atlantic Ocean, ocean floors 119(1-2) 159-171  
Egypt  
continental shelf 121(3-4) 199-211  
geomorphology 115(3-4) 253-261  
Japan 120(1-2) 75-87  
Korea 120(1-2) 89-103  
North Carolina 118(1-2) 61-77  
Pacific Ocean, ocean circulation 120(3-4) 327-333  
Prince Edward Island, ocean waves 118(1-2) 23-48  
sedimentation 116(3-4) 327-345
- South Africa 120(3-4) 225-247
- Ocean Drilling Program** *see also* Leg 104; Leg 107; Leg 112; Leg 133  
119(1-2) 111-136  
stratigraphy 116(3-4) 267-291
- ocean floors** *see also* abyssal plains; bathymetric maps; bottom features; continental margin; continental slope; mid-ocean ridges; paleo-oceanography; sea-floor spreading; seamounts; submarine canyons; submarine fans; submarine volcanoes; trenches  
119(1-2) 174  
Black Sea 116(3-4) 373-384  
India 117(1-4) 207-225  
Quaternary 121(3-4) 293-315  
Indian Ocean, crust 115(3-4) 165-171  
Japan 120(1-2) 105-127  
Mediterranean Sea 115(3-4) 239-252  
Nova Scotia 121(3-4) 143-160  
Quaternary 117(1-4) 135-154  
Pacific Ocean 116(1-2) 133-151  
plate tectonics 116(1-2) 113-132  
ocean ridges *see* mid-ocean ridges
- ocean waves**  
Argentina, sedimentary petrology 115(3-4) 263-270  
Belgium 121(1-2) 23-41  
breaking waves, New Jersey 115(1-2) 143-151  
Florida 119(1-2) 67-73  
Japan 120(1-2) 63-74; 120(1-2) 105-127  
North Carolina 118(1-2) 61-77  
Prince Edward Island 118(1-2) 23-48  
shore features 116(3-4) 313-325
- ocean-floor spreading** *see* sea-floor spreading
- Oceania** *see* Melanesia
- oceanic crust**  
Indian Ocean 115(1-2) 21-28  
Pacific Ocean 116(1-2) 101-111; 116(1-2) 113-132
- oceanic trench** *see* trenches
- oceanography** *see* continental margin; continental shelf; continental slope; marine geology; nodules; ocean circulation; ocean floors; ocean waves; reefs; sea ice; sea water; sedimentation; sediments
- octahedral iron ore** *see* magnetite
- ODP** *see* Ocean Drilling Program
- ODP Site 653**  
stratigraphy 117(1-4) 329-349
- ODP Site 817** 121(3-4) 265-291
- oil and gas** *see* petroleum
- Old Castile Spain** *see* Santander Spain
- Olduvai Event**  
Pacific Ocean 116(1-2) 89-100
- Onslow Bay**  
stratigraphy 117(1-4) 253-273
- Ontario** *see* Lake Huron
- ooze**  
Arctic Ocean, Quaternary 120(3-4) 335-364  
Peru, Quaternary 116(3-4) 385-398



**organic carbon**

## Arctic Ocean

continental shelf 121(1-2) 87-103

geochemistry 119(3-4) 269-285

Quaternary 117(1-4) 303-316

California 116(3-4) 399-418

France, stratigraphy 117(1-4) 287-302

India 117(1-4) 227-236

Italy, geochemistry 115(1-2) 117-127

Scandinavia, continental shelf 121(1-2) 87-103

**organic materials**

## Arctic Ocean

continental slope 121(1-2) 121-128

Quaternary 120(3-4) 335-364

Atlantic Ocean, geochemistry 121(3-4) 317-332

fatty acids, Italy 115(1-2) 117-127

geochemistry 119(1-2) 174-175

hydrocarbons, Italy 115(1-2) 117-127

Italy, Quaternary 117(1-4) 317-328

kerogen, France 117(1-4) 287-302

**organic carbon**

Arctic Ocean 117(1-4) 303-316; 119(3-4) 269-285; 121(1-2) 87-103

California 116(3-4) 399-418

France 117(1-4) 287-302

India 117(1-4) 227-236

Italy 115(1-2) 117-127

Scandinavia 121(1-2) 87-103

Queensland Australia 121(3-4) 265-291

**sapropel**

France 117(1-4) 287-302

Italy 115(1-2) 117-127

**organic mound see bioherms****ostracods**

Arctic Ocean, Quaternary 119(3-4) 305-332

**Outer Banks**

118(1-2) 61-77

geomorphology 117(1-4) 75-94

oxides *see* buserite; cassiterite; maghemite; magnetite; manganite; todorokite**oxygen**

California, sedimentary petrology 116(3-4) 419-430

**O-18/O-16**

Arctic Ocean 119(3-4) 227-250; 119(3-4) 333-355; 121(1-2) 77-85

Norway 115(3-4) 173-205

Tyrrhenian Sea 117(1-4) 329-349

oxymagnite *see* maghemite**P see phosphorus****Pacific Ocean see also Indian Plate; Leg 112;****Pacific Plate; Vanuatu; West Pacific**

116(1-2) 1-3; 120(1-2) 105-127

Cenozoic 115(3-4) 289-306

continental shelf 118(1-2) 49-60

Cretaceous 119(1-2) 1-5

ecology, Lau Basin 116(1-2) 227-242

geochemistry 116(1-2) 179-195; 116(1-2) 215-226; 116(1-2) 243-253

Nankai Trough 118(3-4) 303-313

magmas 116(1-2) 153-178

Middle America Trench 118(3-4) 237-256

ocean circulation 120(3-4) 327-333

ocean floors 116(1-2); 116(1-2) 133-151

East Pacific Rise 118(3-4) 177-185

Peru-Chile Trench 119(1-2) 7-38

**plate tectonics**

Fiji Plateau 116(1-2) 57-68

Lau Basin 116(1-2) 113-132

Taranaki Basin 116(3-4) 293-312

Quaternary 119(1-2) 75-98

Aleutian Trench 118(1-2) 119-137

Chatham Rise 117(1-4) 155-175

Kuril Trench 118(1-2) 119-137

tectonophysics 116(1-2) 5-24; 116(1-2) 89-100; 116(1-2) 101-111

Chatham Rise 118(1-2) 139-151; 118(1-2) 153-173

**Pacific Plate**

New Zealand, tectonophysics 118(1-2) 139-151; 118(1-2) 153-173

Pacific Ocean, tectonophysics 116(1-2) 25-35; 116(1-2) 37-56; 116(1-2) 69-87

West Pacific Ocean Islands 118(3-4) 217-236

**paleo-oceanography see also sea-floor spreading**

Arctic Ocean 119(3-4) 287-300

marine geology 119(3-4) 179-364; 119(3-4) 357-361

Quaternary 117(1-4) 303-316; 119(3-4) 305-332; 119(3-4) 333-355; 120(3-4) 335-364; 121(1-2) 129-141

**Atlantic Ocean**

geochemistry 121(3-4) 317-332

Quaternary 121(3-4) 247-263

Bering Sea, Quaternary 118(1-2) 119-137

California, sedimentary petrology 116(3-4) 419-430

France 117(1-4) 287-302

Hawaii 115(3-4) 289-306

Italy, Quaternary 117(1-4) 317-328

Morocco, Quaternary 118(1-2) 107-117

New Zealand, Quaternary 117(1-4) 155-175

Norway 115(3-4) 173-205

ocean circulation 115(1-2) 160-161

Peru, Quaternary 116(3-4) 385-398

Queensland Australia 121(3-4) 265-291

Red Sea, geochemistry 118(3-4) 291-302

Russian Federation, Quaternary 119(3-4) 301-304

Tasman Sea, Quaternary 117(1-4) 1-17

Western Australia, Quaternary 115(1-2) 29-46

**paleobotany see bacteria; palynomorphs****paleoclimatology see also glaciation; isotopes; O-18/O-16**

118(3-4) 336

Arctic Ocean 118(3-4) 257-281; 119(3-4) 287-300

Quaternary 120(3-4) 335-364

Arctic region 118(3-4) 257-281

Atlantic Ocean, Quaternary 118(1-2) 79-105; 121(3-4) 247-263

Mediterranean Sea, Quaternary 117(1-4) 195-205

Morocco, Quaternary 118(1-2) 107-117

**New Zealand**

plate tectonics 116(3-4) 293-312

Quaternary 117(1-4) 155-175

Peru, Quaternary 116(3-4) 385-398

Russian Federation, Quaternary 119(3-4) 301-304

Western Australia, Quaternary 115(1-2) 29-46

**paleoecology see also changes of level; hardground; reefs**

Arctic Ocean 119(3-4) 287-300

geochemistry 119(3-4) 227-250

Quaternary 119(3-4) 305-332; 121(1-2) 129-141

**Atlantic Ocean**

geochemistry 121(3-4) 317-332

Quaternary 121(3-4) 247-263

India, Quaternary 121(3-4) 293-315

Morocco, Quaternary 118(1-2) 107-117

Tasman Sea, Quaternary 117(1-4) 1-17

**Paleogene see also Eocene**

119(1-2) 111-136

**paleogeography**

Arctic Ocean 119(3-4) 287-300

Indonesia 116(3-4) 267-291

Italy, Quaternary 117(1-4) 317-328

New Zealand 119(1-2) 1-5

plate tectonics 116(3-4) 293-312

Queensland Australia 121(3-4) 265-291

**paleolatitude**

New Zealand 119(1-2) 1-5

**paleomagnetism see Brunhes Epoch; Gauss****Epoch; magnetic anomalies; magnetic in-****tensity; magnetic susceptibility; Matuyama****Epoch; Olduvai Event; sea-floor spreading****paleosalinity**

Arctic Ocean, Quaternary 119(3-4) 333-355

**Palmer Peninsula see Antarctic Peninsula****paludal sedimentation**

England, Quaternary 118(3-4) 327-334

**palygorskite**

California 115(1-2) 47-65

**palynomorphs see also pollen****dinoflagellates**

Arctic Ocean 118(3-4) 257-281

Arctic region 118(3-4) 257-281

Morocco 118(1-2) 107-117

**Pandora Ridge**

plate tectonics 116(1-2) 113-132

**partition coefficients** 116(3-4) 351-372**Pb-210**

Alaska, geochemistry 116(3-4) 351-372

Black Sea, ocean floors 116(3-4) 373-384

California 116(3-4) 399-418

England, Quaternary 118(3-4) 327-334

Taiwan, continental slope 119(1-2) 99-109

**Pb/Pb**

England, Quaternary 118(3-4) 327-334

pelecypods *see* bivalvespermeability coefficient *see* hydraulic conductivity**Peru**

118(3-4) 237-256; 119(1-2) 7-38

diagenesis 118(1-2) 5-22

Quaternary 116(3-4) 385-398

**Peru-Chile Trench** 119(1-2) 7-38**petroleum** 117(1-4) 351-352petroleum products *see* hydrocarbonspetrogen *see* kerogenpetrology *see* crystalline rocks; lava; magmas; volcanismpetrostratigraphy *see* lithostratigraphy**Phanerozoic** 118(3-4) 336**Philippine Sea**

continental slope 119(1-2) 99-109

**phosphate rocks**

Africa 120(3-4) 373-383

North Carolina, stratigraphy 117(1-4) 253-273

Peru 118(1-2) 5-22

phosphates *see* apatite; francolite**phosphatization**

Africa, diagenesis 120(3-4) 373-383

Peru, diagenesis 118(1-2) 5-22

phosphorite *see* phosphate rocks**phosphorus**

California, sedimentary petrology 116(3-4) 419-430

**Pismo Basin**

sedimentary petrology 116(3-4) 419-430

**piston corers**

geochemistry 117(1-4) 95-106

**plagiogranite**

Vanuatu 116(1-2) 197-213

planar bedding structures *see* bedding; cross-stratification; laminations; rhythmite; sand bodiesplanation surfaces *see* erosion surfacesPlantae *see* thallophytesplants *see* algal floraplaster stone *see* gypsum**plate boundaries** *see also* plate convergence

Pacific Ocean

plate tectonics 116(1-2) 113-132

tectonophysics 116(1-2) 25-35

**plate convergence**

Indonesia, plate tectonics 117(1-4) 119-134

New Zealand

plate tectonics 116(3-4) 293-312

tectonophysics 118(1-2) 153-173

Pacific Ocean, tectonophysics 116(1-2) 37-56

Peru 118(3-4) 237-256

West Pacific Ocean Islands 118(3-4) 217-236

plate margins *see* plate boundaries**plate rotation**

New Zealand, plate tectonics 116(3-4) 293-312

Pacific Ocean, magmas 116(1-2) 153-178

plate tectonics *see* Australian Plate; back-arc basins; compression tectonics; continental margin; Eurasian Plate; fore-arc basins; hot spots; Indian Plate; Indo-Australian Plate; island arcs; Pacific Plate; plate boundaries; plate convergence; rift zones; sea-floor spreading; subduction; subduction zones; transform faults; transpression; trenches; triple junctions**plateaus**

New Zealand, tectonophysics 118(1-2) 139-151; 118(1-2) 153-173

**Pleistocene**

Arctic Ocean 119(3-4) 333-355

Bering Sea 118(1-2) 119-137

Devensian, Northern Ireland 117(1-4) 19-34

Hawaii 118(3-4) 315-326

India 117(1-4) 207-225; 117(1-4) 227-236

Italy 115(1-2) 117-127; 117(1-4) 317-328

Japan 120(1-2) 105-127

Malaysia 120(3-4) 175-202

Mediterranean Sea 117(1-4) 195-205

Morocco 118(1-2) 107-117

New Zealand 117(1-4) 155-175

North Carolina 117(1-4) 253-273

Norway 115(3-4) 173-205

Nova Scotia 117(1-4) 135-154

Olduvai Event, Pacific Ocean 116(1-2) 89-100

Queensland Australia 121(3-4) 265-291

Spain 120(3-4) 129-174

Tyrrhenian Sea 117(1-4) 329-349

Weichselian, Norway 117(1-4) 35-55

**Pliocene**

Arctic Ocean 121(1-2) 87-103

Gauss Epoch, Pacific Ocean 116(1-2) 89-100

Indian Ocean 115(3-4) 307-329

Italy 115(1-2) 117-127

Mediterranean Sea 117(1-4) 195-205

New Zealand 117(1-4) 155-175

Norway 115(3-4) 173-205

Peru 118(3-4) 237-256

Queensland Australia 121(3-4) 265-291

Scandinavia 121(1-2) 87-103

Tyrrhenian Sea 117(1-4) 329-349

plutonic rocks *see* diorites**pollen**

Atlantic Ocean, Quaternary 118(1-2) 79-105

Morocco, Quaternary 118(1-2) 107-117

**pollution** *see also* heavy metals

North Sea, marine geology 119(1-2) 177-178

**polynyas**

Alaska 119(3-4) 215-225

**Pontian Islands**

Quaternary 117(1-4) 317-328

**Ponza Island**

Quaternary 117(1-4) 317-328

**Porites**

India, Quaternary 118(3-4) 187-194

**Portballintrae Northern Ireland**

Quaternary 117(1-4) 19-34

Postglacial *see* Holocene**primary structures**

France, continental shelf 120(3-4) 267-290

**Prince Edward Island**

ocean waves 118(1-2) 23-48

**progradation**

India 117(1-4) 207-225

Mediterranean Sea, Quaternary 117(1-4) 195-205

New Zealand, plate tectonics 116(3-4) 293-312

Norway, stratigraphy 115(3-4) 173-205

Quebec, geomorphology 117(1-4) 57-74

**Protista**

silicoflagellates, Peru 118(3-4) 237-256

psammite *see* sandstone**pumice**

Indian Ocean 115(3-4) 307-329

**Pungo River Formation** 117(1-4) 253-273**pyrite**

India 117(1-4) 227-236

Pacific Ocean, geochemistry 118(3-4) 303-313

pyroclastics *see* pumice**pyrolysis** *see also* Rock-Eval

119(3-4) 269-285

**pyroxene group**

Costa Rica, geomorphology 120(1-2) 13-26

**quartzites**

Atlantic Ocean 117(1-4) 237-251

**Quaternary** *see also* Holocene; Pleistocene

115(1-2) 157-158; 115(1-2) 160-161; 119(1-2) 111-136

Arctic Ocean 119(3-4) 287-300; 119(3-4) 305-332; 119(3-4) 357-361; 120(3-4) 335-364; 121(1-2) 77-85; 121(1-2) 87-103; 121(1-2) 129-141

Atlantic Ocean 118(1-2) 79-105; 121(3-4) 247-263; 121(3-4) 317-332

Belgium 121(1-2) 57-72

Brunhes Epoch

Indian Ocean 115(1-2) 21-28

Tasman Sea 117(1-4) 1-17

French Guiana 121(3-4) 231-245

India 121(3-4) 293-315

Japan 120(1-2) 75-87

Nova Scotia 120(3-4) 291-308

Pacific Ocean 120(3-4) 327-333



- Peru 116(3-4) 385-398; 118(1-2) 5-22; 118(3-4) 237-256  
 Russian Federation 119(3-4) 301-304  
 Scandinavia 121(1-2) 87-103  
 Spain 120(3-4) 249-265  
 Turkey 121(3-4) 213-230
- Quebec**  
 geomorphology 117(1-4) 57-74
- Queensland Australia**  
 121(3-4) 265-291  
 ground water 115(3-4) 227-238
- Queensland Plateau** 121(3-4) 265-291  
 radioactive isotopes *see* Cs-137; Pb-210; Th-230  
 radiocarbon dating *see* C-14  
 radiography *see* autoradiography
- radiolarians**  
 Peru 118(3-4) 237-256
- rafting, ice** *see* ice rafting
- rare earths** *see also* cerium  
 California 115(1-2) 47-65  
 Italy, geochemistry 119(1-2) 137-157  
 Pacific Ocean  
 magmas 116(1-2) 153-178  
 plate tectonics 116(1-2) 113-132  
 Vanuatu, petrology 116(1-2) 197-213  
 rate of sedimentation *see* sedimentation rates  
 Recent *see* Holocene
- reclamation**  
 Irish Sea, geomorphology 119(1-2) 39-56
- Red Sea**  
 geochemistry, Atlantis II Deep 118(3-4) 291-302
- reefs**  
 atolls, India 118(3-4) 187-194  
 Hawaii, Quaternary 118(3-4) 315-326  
 India 117(1-4) 207-225  
 Queensland Australia 121(3-4) 265-291  
 Western Australia, Quaternary 115(1-2) 29-46
- remanent magnetization *see* isothermal remanent magnetization
- remote sensing**  
 Bangladesh 120(1-2) 41-61  
 India, geomorphology 118(3-4) 207-216
- revetments**  
 Argentina, sedimentary petrology 115(3-4) 263-270
- Rhodophyta** *see* Corallinaceae
- rhythmite**  
 Italy, geochemistry 115(1-2) 117-127
- rift zones**  
 Indian Ocean, tectonophysics 115(1-2) 21-28  
 Pacific Ocean, tectonophysics 116(1-2) 5-24; 116(1-2) 37-56; 116(1-2) 69-87  
 Vanuatu, petrology 116(1-2) 197-213
- ripple marks**  
 England, ocean circulation 115(3-4) 207-226  
 Japan, ocean waves 120(1-2) 63-74  
 Korea 120(1-2) 89-103
- Northern Ireland, Quaternary 117(1-4) 19-34
- Rock-Eval**  
 France, stratigraphy 117(1-4) 287-302  
 rock-stratigraphy *see* lithostratigraphy
- Romanche fracture zone**  
 petrology 117(1-4) 237-251
- Rosetta Promontory**  
 geomorphology 115(3-4) 253-261
- Rotaliina** *see* Globigerinacea
- rotary side-scanning methods**  
 Ontario 119(1-2) 57-65
- Rotuma Island**  
 plate tectonics 116(1-2) 113-132
- Russian Federation**  
 Quaternary, Franz Josef Land 119(3-4) 301-304  
 Russian Platform *see* Franz Josef Land
- S** *see* sulfur
- salt marshes**  
 England, Quaternary 118(3-4) 327-334
- saltation** 115(3-4) 263-270  
 San Luis Obispo County California *see* Pismo Basin
- San Pedro Basin** 116(3-4) 399-418
- San Sebastian Bay**  
 sedimentary petrology 115(3-4) 263-270
- sand**  
 Egypt 117(1-4) 187-194  
 geomorphology 115(3-4) 253-261  
 England 115(3-4) 207-226  
 Florida 119(1-2) 67-73  
 France 117(1-4) 177-185  
 Irish Sea, geomorphology 119(1-2) 39-56  
 North Carolina, stratigraphy 117(1-4) 253-273  
 Northern Ireland, Quaternary 117(1-4) 19-34  
 Quebec, geomorphology 117(1-4) 57-74
- sand bars** *see* bars
- sand bodies**  
 Belgium 121(1-2) 23-41  
 continental shelf 121(1-2) 1-21  
 sediments 121(1-2) 43-55; 121(1-2) 57-72  
 Japan 120(1-2) 75-87
- sand dunes** *see* dunes
- sand ridges**  
 Korea 120(1-2) 89-103
- sandbanks**  
 Belgium 121(1-2) 23-41  
 continental shelf 121(1-2) 1-21  
 sediments 121(1-2) 43-55; 121(1-2) 57-72
- sandstone**  
 Norway, Quaternary 117(1-4) 35-55  
 Pacific Ocean, geochemistry 118(3-4) 303-313
- Santa Monica Basin** 116(3-4) 399-418
- Santander Spain**  
 geomorphology 118(3-4) 195-206
- sapropel**  
 France, stratigraphy 117(1-4) 287-302  
 Italy, geochemistry 115(1-2) 117-127
- Scandinavia** *see also* Norway  
 continental shelf 121(1-2) 87-103  
 schizomycetes *see* bacteria
- Schumann Seamount**  
 Cenozoic 115(3-4) 289-306
- Scleractinia** *see* Porites
- Scotian Shelf**  
 121(3-4) 143-160  
 Quaternary 117(1-4) 135-154
- Sea Beam** *see* Seabeam
- sea fan** *see* submarine fans
- sea floor spreading** *see* sea-floor spreading
- sea floors** *see* ocean floors
- sea ice**  
 Alaska 119(3-4) 215-225  
 Arctic Ocean 119(3-4) 185-214  
 Sea Mapping and Remote Characterization *see* SeaMarc
- sea mounts** *see* seamounts
- sea water** *see also* brines; paleosalinity  
 120(1-2) 1-12  
 Antarctic Ocean 121(3-4) 161-170  
 Arctic Ocean, geochemistry 119(3-4) 227-250  
 Coral Sea 116(3-4) 255-258
- sea-floor spreading** *see also* magnetic anomalies; mid-ocean ridges  
 Arctic Ocean, Cenozoic 118(3-4) 257-281  
 Arctic region, Cenozoic 118(3-4) 257-281  
 Indonesia, stratigraphy 116(3-4) 267-291  
 Pacific Ocean 116(1-2) 25-35; 116(1-2) 37-56
- sea-floor trench** *see* trenches
- sea-level changes** *see* changes of level
- Seabeam**  
 Atlantic Ocean, petrology 117(1-4) 237-251  
 Peru 118(3-4) 237-256
- SeaMarc**  
 Chile 119(1-2) 7-38  
 Pacific Ocean, plate tectonics 116(1-2) 57-68  
 Peru 119(1-2) 7-38
- seamounts**  
 East Pacific Ocean Islands, ocean floors 118(3-4) 177-185  
 Italy, geochemistry 119(1-2) 137-157  
 New Zealand, tectonophysics 118(1-2) 153-173
- seas, marginal** *see* marginal seas
- seawater** *see* sea water
- Sebennitic Promontory**  
 continental shelf 117(1-4) 187-194
- secondary structures** *see* armored mud balls
- sediment load** *see* bedload
- sediment transport** *see also* ice rafting; marine transport; saltation  
 Antarctic Ocean, sea water 121(3-4) 161-170

- Egypt  
 continental shelf 121(3-4) 199-211  
 geomorphology 115(3-4) 253-261  
 India, geomorphology 118(3-4) 207-216  
 Italy, Quaternary 117(1-4) 317-328  
 North Carolina, sediments 115(3-4) 271-287  
 shore features 116(3-4) 313-325  
 Spain, geomorphology 118(3-4) 195-206  
 Virginia, sediments 115(3-4) 271-287  
 sedimentary petrology *see* clay mineralogy; diagenesis; heavy minerals; reefs; sedimentation; sediments  
**sedimentary rocks** *see also* organic materials  
 argillite, Norway 117(1-4) 35-55  
 black shale, France 117(1-4) 287-302  
 California 116(3-4) 419-430  
 carbonate rocks, Western Australia 115(1-2) 29-46  
 chemically precipitated rocks  
 California 115(1-2) 47-65  
 Indian Ocean 120(3-4) 385-400  
 claystone, Norway 117(1-4) 35-55  
 conglomerate, Hawaii 118(3-4) 315-326  
 diatomaceous earth, Namibia 115(1-2) 85-116  
 ironstone, Italy 117(1-4) 317-328  
 limestone  
 Hawaii 118(3-4) 315-326  
 India 121(3-4) 293-315  
 marl, Italy 115(1-2) 117-127  
 mudstone, California 115(1-2) 47-65  
 phosphate rocks  
 Africa 120(3-4) 373-383  
 North Carolina 117(1-4) 253-273  
 Peru 118(1-2) 5-22  
 sandstone  
 Norway 117(1-4) 35-55  
 Pacific Ocean 118(3-4) 303-313  
 siltstone, Norway 117(1-4) 35-55  
**sedimentary structures**  
 armored mud balls, Arctic Ocean 121(1-2) 121-128  
 bedding, Belgium 121(1-2) 57-72  
 bioherms, India 121(3-4) 293-315  
 bioturbation  
 Alaska 116(3-4) 351-372  
 Black Sea 116(3-4) 373-384  
 cross-stratification, Northern Ireland 117(1-4) 19-34  
 laminations  
 Alaska 116(3-4) 351-372  
 Black Sea 116(3-4) 373-384  
 California 116(3-4) 399-418; 116(3-4) 419-430  
 France 117(1-4) 287-302  
 Northern Ireland 117(1-4) 19-34  
 Peru 116(3-4) 385-398  
 primary structures, France 120(3-4) 267-290  
 rhythmite, Italy 115(1-2) 117-127  
 ripple marks  
 England 115(3-4) 207-226  
 Japan 120(1-2) 63-74  
 Korea 120(1-2) 89-103  
 Northern Ireland 117(1-4) 19-34  
 sand bodies  
 Belgium 121(1-2) 1-21; 121(1-2) 23-41; 121(1-2) 43-55; 121(1-2) 57-72  
 Japan 120(1-2) 75-87  
 sand ridges, Korea 120(1-2) 89-103  
**sedimentation** *see also* beaches; bedload; bioturbation; changes of level; continental shelf; diagenesis; marine transport; nodules; progradation; sediment transport; sedimentary rocks; sedimentation rates; sediments  
 biochemical sedimentation, Atlantic Ocean 121(3-4) 317-332  
 bioclastic sedimentation  
 Arabian Sea 120(3-4) 365-371  
 Arctic Ocean 119(3-4) 185-214; 119(3-4) 287-300; 119(3-4) 357-361; 121(1-2) 105-119; 121(1-2) 129-141  
 Queensland Australia 121(3-4) 265-291  
 Red Sea 118(3-4) 291-302  
 coastal sedimentation  
 Bangladesh 120(1-2) 41-61  
 India 118(3-4) 207-216  
 North Carolina 118(1-2) 61-77  
 Prince Edward Island 118(1-2) 23-48  
 Spain 118(3-4) 195-206  
 deep-sea sedimentation  
 Arctic Ocean 120(3-4) 335-364  
 Atlantic Ocean 119(1-2) 159-171  
 Red Sea 118(3-4) 291-302  
 deltaic sedimentation  
 British Columbia 118(1-2) 49-60  
 Egypt 121(3-4) 199-211  
 detrital sedimentation, India 118(3-4) 187-194  
 England 117(1-4) 107-117  
 estuarine sedimentation, France 120(1-2) 27-40; 120(3-4) 267-290  
 fluvial sedimentation, France 120(3-4) 267-290  
 France, stratigraphy 117(1-4) 287-302  
 glaciomarine sedimentation  
 Antarctic Ocean 121(3-4) 161-170  
 Arctic Ocean 119(3-4) 333-355; 120(3-4) 335-364; 121(1-2) 87-103  
 Atlantic Ocean 121(3-4) 317-332  
 Bering Sea 118(1-2) 119-137  
 Russian Federation 119(3-4) 301-304  
 Scandinavia 121(1-2) 87-103  
 India 117(1-4) 227-236  
 intertidal sedimentation 120(1-2) 1-127  
 Belgium 121(1-2) 1-21; 121(1-2) 23-41; 121(1-2) 43-55; 121(1-2) 57-72  
 France 120(1-2) 27-40  
 Japan 120(1-2) 63-74  
 lacustrine sedimentation, Ontario 119(1-2) 57-65  
 marine sedimentation 120(1-2) 1-127  
 Arctic Ocean 119(3-4) 357-361; 121(1-2) 105-119  
 Atlantic Ocean 119(1-2) 159-171  
 France 120(3-4) 267-290  
 New Zealand 119(1-2) 75-98  
 North Sea 119(1-2) 177-178  
 Nova Scotia 120(3-4) 291-308  
 Pacific Ocean 120(3-4) 327-333  
 Queensland Australia 121(3-4) 265-291  
 Red Sea 118(3-4) 291-302  
 Spain 120(3-4) 129-174  
 Taiwan 119(1-2) 99-109  
 Northern Ireland, Quaternary 117(1-4) 19-34  
 paludal sedimentation, England 118(3-4) 327-334  
**sedimentation rates**  
 119(1-2) 111-136  
 Alaska, geochemistry 116(3-4) 351-372  
 Arctic Ocean  
 continental shelf 121(1-2) 87-103  
 marine geology 119(3-4) 357-361  
 Quaternary 119(3-4) 333-355; 121(1-2) 77-85  
 California 116(3-4) 419-430  
 England, Quaternary 118(3-4) 327-334  
 France, continental shelf 120(3-4) 267-290  
 geochemistry 117(1-4) 95-106  
 Indian Ocean 116(3-4) 259-266  
 Norway  
 Quaternary 117(1-4) 35-55  
 stratigraphy 115(3-4) 173-205  
 Pacific Ocean, ocean circulation 120(3-4) 327-333  
 Queensland Australia 121(3-4) 265-291  
 Scandinavia, continental shelf 121(1-2) 87-103  
 Taiwan, continental slope 119(1-2) 99-109  
 Tasman Sea, Quaternary 117(1-4) 1-17  
**sediments** *see also* littoral drift; volcanoclastics  
 Alaska, geochemistry 116(3-4) 351-372  
 Belgium 121(1-2) 43-55; 121(1-2) 57-72  
 carbonate sediments  
 Arctic Ocean 121(1-2) 105-119  
 Egypt 121(3-4) 199-211  
 Queensland Australia 121(3-4) 265-291  
 clastic sediments, Bering Sea 118(1-2) 119-137  
 clay  
 California 116(3-4) 399-418  
 Peru 116(3-4) 385-398



- Coral Sea 116(3-4) 255-258  
 Costa Rica, geomorphology 120(1-2) 13-26  
 diamicton  
   Arctic Ocean 120(3-4) 335-364  
   Northern Ireland 117(1-4) 19-34  
   Norway 117(1-4) 35-55  
 England, Quaternary 118(3-4) 327-334  
 geochemistry 119(1-2) 174-175  
 gravel  
   Argentina 115(3-4) 263-270  
   Northern Ireland 117(1-4) 19-34  
 marine sediments 116(3-4) 327-345; 119(1-2) 111-136; 120(1-2) 1-12; 120(1-2) 1-127  
 Antarctic Ocean 121(3-4) 161-170  
 Arctic Ocean 117(1-4) 303-316; 118(3-4) 257-281; 119(3-4) 185-214; 119(3-4) 227-250; 119(3-4) 251-267; 119(3-4) 269-285; 119(3-4) 305-332; 119(3-4) 333-355; 119(3-4) 357-361; 120(3-4) 335-364; 121(1-2) 77-85; 121(1-2) 87-103; 121(1-2) 105-119; 121(1-2) 121-128  
 Arctic region 118(3-4) 257-281; 119(3-4) 251-267  
 Atlantic Ocean 118(1-2) 79-105; 119(1-2) 159-171; 121(3-4) 247-263; 121(3-4) 317-332  
 Bangladesh 120(1-2) 41-61  
 Belgium 121(1-2) 23-41; 121(3-4) 171-185  
 Bering Sea 118(1-2) 119-137  
 British Columbia 118(1-2) 49-60  
 Burma 117(1-4) 275-285  
 California 116(3-4) 399-418  
 Chile 119(1-2) 7-38  
 Egypt 117(1-4) 187-194; 121(3-4) 199-211  
 England 120(3-4) 309-325  
 Florida 119(1-2) 67-73  
 France 120(1-2) 27-40; 120(3-4) 267-290  
 French Guiana 121(3-4) 231-245  
 geochemistry 117(1-4) 95-106  
 India 117(1-4) 227-236; 117(1-4) 275-285; 121(3-4) 293-315  
 Indonesia 117(1-4) 275-285  
 Japan 120(1-2) 105-127  
 Korea 120(1-2) 89-103  
 Malaysia 120(3-4) 175-202  
 Morocco 118(1-2) 107-117  
 Namibia 115(1-2) 85-116  
 New Zealand 119(1-2) 75-98  
 Nova Scotia 120(3-4) 291-308  
 Pacific Ocean 120(3-4) 327-333  
 Peru 116(3-4) 385-398; 119(1-2) 7-38  
 Queensland Australia 121(3-4) 265-291  
 Red Sea 118(3-4) 291-302  
 Russian Federation 119(3-4) 301-304  
 Scandinavia 121(1-2) 87-103  
 South Africa 120(3-4) 225-247  
 Spain 120(3-4) 129-174; 120(3-4) 249-265  
 Sri Lanka 117(1-4) 275-285  
 Taiwan 119(1-2) 99-109  
 Tasman Sea 117(1-4) 1-17  
 Turkey 115(1-2) 129-142; 121(3-4) 213-230  
 Wales 120(3-4) 309-325  
 Western Australia 117(1-4) 275-285  
 Mediterranean Sea 115(3-4) 239-252  
 mud  
   Egypt 117(1-4) 187-194  
   France 120(3-4) 267-290  
   Northern Ireland 117(1-4) 19-34  
 New Jersey 115(1-2) 143-151  
 New Zealand, plate tectonics 116(3-4) 293-312  
 North Carolina 115(3-4) 271-287  
 ooze  
   Arctic Ocean 120(3-4) 335-364  
   Peru 116(3-4) 385-398  
 sand  
   Egypt 115(3-4) 253-261; 117(1-4) 187-194  
   England 115(3-4) 207-226  
   Florida 119(1-2) 67-73  
   France 117(1-4) 177-185  
   Irish Sea 119(1-2) 39-56  
   North Carolina 117(1-4) 253-273  
   Northern Ireland 117(1-4) 19-34  
   Quebec 117(1-4) 57-74  
 silt  
   California 116(3-4) 399-418  
   France 117(1-4) 177-185; 117(1-4) 287-302; 120(1-2) 27-40  
   Peru 116(3-4) 385-398  
 Spain, geomorphology 118(3-4) 195-206  
 till, Arctic Ocean 121(1-2) 121-128  
 Virginia 115(3-4) 271-287  
**SEEP**  
   ground water 115(3-4) 227-238  
**Seine Estuary** 120(1-2) 27-40  
**Seine-Maritime France** 120(1-2) 27-40  
**seismic methods** 118(1-2) 1-3  
**seismic profiles**  
   Belgium, sediments 121(1-2) 57-72  
   France 117(1-4) 177-185  
   French Guiana, Quaternary 121(3-4) 231-245  
   India 117(1-4) 207-225  
   Indian Ocean, crust 115(3-4) 165-171  
   Indonesia, plate tectonics 117(1-4) 119-134  
   Mediterranean Sea, Quaternary 117(1-4) 195-205  
 New Zealand  
   plate tectonics 116(3-4) 293-312  
   Quaternary 117(1-4) 155-175  
 Nova Scotia, Quaternary 117(1-4) 135-154  
 Pacific Ocean, tectonophysics 116(1-2) 101-111  
 Spain, Quaternary 120(3-4) 249-265  
**seismic stratigraphy**  
   French Guiana, Quaternary 121(3-4) 231-245  
   Indonesia, plate tectonics 117(1-4) 119-134  
   Japan 120(1-2) 105-127  
   Norway 115(3-4) 173-205  
   Nova Scotia, Quaternary 117(1-4) 135-154  
   Spain, Quaternary 120(3-4) 129-174; 120(3-4) 249-265  
   Turkey 115(1-2) 129-142; 121(3-4) 213-230  
**seismic surveys** *see also* crust; seismic profiles; vertical seismic profiles  
   Arctic Ocean, Cenozoic 118(3-4) 257-281  
   Arctic region, Cenozoic 118(3-4) 257-281  
   British Columbia, continental shelf 118(1-2) 49-60  
   Chile 119(1-2) 7-38  
   India, Quaternary 121(3-4) 293-315  
   Korea 120(1-2) 89-103  
   Pacific Ocean, tectonophysics 116(1-2) 37-56  
   Peru 118(3-4) 237-256; 119(1-2) 7-38  
 seismic waves *see* elastic waves  
**seismicity**  
   Pacific Ocean, tectonophysics 116(1-2) 5-24  
 seismology *see* crust; elastic waves; mantle; Mohorovicic discontinuity  
 seismostratigraphy *see* seismic stratigraphy  
**Senegal**  
   diagenesis 120(3-4) 373-383  
   sensing, remote *see* remote sensing  
**sequence stratigraphy**  
   Japan 120(1-2) 105-127  
   Spain, Quaternary 120(3-4) 129-174; 120(3-4) 249-265  
**Severn Estuary**  
   Quaternary 118(3-4) 327-334  
**Shaban Deep**  
   geochemistry 118(3-4) 291-302  
   sheet silicates *see* clay minerals; mica group  
   shelf, continental *see* continental shelf  
**Shepard, Francis Parker**  
   marine geology 115(1-2) 153-156  
   shore drift *see* littoral drift  
**shore features** *see also* bars; beach ridges; beaches; coastal dunes; coastlines; fjords; marine terraces; salt marshes; spits  
   Belgium 121(1-2) 23-41  
   sediments 121(1-2) 43-55; 121(1-2) 57-72  
**shorelines** *see also* coastal sedimentation; coastlines  
   Quaternary 115(1-2) 158-160

- Si** *see* silicon
- Siberia** 119(3-4) 215-225
- Sicily** Italy *see* Lipari Islands
- silicates** *see* aluminosilicates; chain silicates; sheet silicates
- silicoflagellates**  
Peru 118(3-4) 237-256
- silicon**  
France, stratigraphy 117(1-4) 287-302  
Italy, Quaternary 117(1-4) 317-328
- silt**  
California 116(3-4) 399-418  
France 117(1-4) 177-185; 120(1-2) 27-40  
stratigraphy 117(1-4) 287-302  
Peru, Quaternary 116(3-4) 385-398
- siltstone**  
Norway, Quaternary 117(1-4) 35-55
- Skag Bay**  
geochemistry 116(3-4) 351-372  
slope stability *see* debris flows  
slope, continental *see* continental slope
- smectite**  
Burma 117(1-4) 275-285  
India 117(1-4) 275-285  
Indonesia 117(1-4) 275-285  
Namibia 115(1-2) 85-116  
Sri Lanka 117(1-4) 275-285  
Western Australia 117(1-4) 275-285
- sodium**  
Vanuatu, petrology 116(1-2) 197-213
- Sodwana Bay** 120(3-4) 225-247
- Sohm abyssal plain**  
ocean floors 119(1-2) 159-171
- soil mechanics** *see* slope stability
- South Africa**  
Zululand 120(3-4) 225-247
- South America** *see also* Andes; Argentina; Chile; French Guiana; Peru  
ecology 119(1-2) 175-177  
sedimentary petrology, Tierra del Fuego 115(3-4) 263-270
- South Atlantic** *see* Southeast Atlantic
- South Korea** 120(1-2) 89-103
- South Wales** 120(3-4) 309-325
- Southeast Atlantic** *see* Walvis Ridge
- Southern Africa** *see* Namibia; South Africa; Walvis Bay
- Southern Europe** *see* Iberian Peninsula; Italy
- Southern Ocean** *see* Antarctic Ocean
- Southwestern Alaska** *see* Aleutian Islands
- Spain**  
geomorphology, Santander Spain 118(3-4) 195-206  
Quaternary  
Cadiz Spain 120(3-4) 129-174  
Malaga Spain 120(3-4) 129-174; 120(3-4) 249-265
- Spanish Morocco** *see* Morocco
- spectroscopy**  
accelerator mass spectroscopy, Quaternary 119(3-4) 333-355
- splits**  
Spain 118(3-4) 195-206
- Spitsbergen**  
sedimentation 116(3-4) 327-345
- sponges**  
Italy, Quaternary 117(1-4) 317-328  
spreading-floor hypothesis *see* sea-floor spreading
- Sr-87/Sr-86**  
North Carolina, stratigraphy 117(1-4) 253-273  
Pacific Ocean, geochemistry 116(1-2) 179-195  
Red Sea, geochemistry 118(3-4) 291-302
- Sri Lanka** 117(1-4) 275-285
- stable isotopes** *see* C-13/C-12; deuterium; Nd-144/Nd-143; O-18/O-16; Sr-87/Sr-86
- STARMER**  
116(1-2) 1-3  
magmas 116(1-2) 153-178  
ocean floors 116(1-2); 116(1-2) 133-151  
plate tectonics 116(1-2) 113-132  
tectonophysics 116(1-2) 5-24; 116(1-2) 25-35; 116(1-2) 37-56; 116(1-2) 69-87; 116(1-2) 89-100  
statistical analysis *see* trend-surface analysis
- Strait of Georgia**  
continental shelf 118(1-2) 49-60
- Strait of Malacca**  
Quaternary 120(3-4) 175-202
- stratigraphic boundary**  
India 117(1-4) 227-236  
Tyrrhenian Sea, stratigraphy 117(1-4) 329-349
- stratigraphy** *see* Cenozoic; coprolites; Cretaceous; Eocene; Holocene; Jurassic; Mesozoic; Miocene; Neogene; Paleogene; paleomagnetism; palynomorphs; Phanerozoic; Pleistocene; Pliocene; Quaternary; Tertiary
- stream transport**  
Costa Rica, geomorphology 120(1-2) 13-26  
Malaysia, Quaternary 120(3-4) 175-202
- strike-slip faults** *see also* transform faults  
Pacific Ocean  
plate tectonics 116(1-2) 113-132  
tectonophysics 116(1-2) 69-87
- strontium**  
Sr-87/Sr-86  
North Carolina 117(1-4) 253-273  
Pacific Ocean 116(1-2) 179-195  
Red Sea 118(3-4) 291-302
- structural basins** *see* basins
- structural geology** *see* deformation; faults; folds; fractures; neotectonics; tectonics
- subarctic regions**  
Bering Sea, Quaternary 118(1-2) 119-137
- subduction** *see also* subduction zones; trenches  
Indonesia  
plate tectonics 117(1-4) 119-134  
stratigraphy 116(3-4) 267-291
- Italy, geochemistry** 119(1-2) 137-157
- New Zealand**  
Cretaceous 119(1-2) 1-5  
plate tectonics 116(3-4) 293-312  
tectonophysics 118(1-2) 139-151; 118(1-2) 153-173
- Pacific Ocean, geochemistry** 118(3-4) 303-313
- West Pacific Ocean Islands** 118(3-4) 217-236
- subduction zones**  
Pacific Ocean  
magmas 116(1-2) 153-178  
plate tectonics 116(1-2) 113-132
- submarine canyons**  
Chile 119(1-2) 7-38  
France 117(1-4) 177-185  
Nova Scotia 120(3-4) 291-308  
Peru 118(3-4) 237-256; 119(1-2) 7-38  
South Africa 120(3-4) 225-247  
Turkey 115(1-2) 129-142  
Mediterranean Sea, Quaternary 117(1-4) 195-205
- submarine features** *see* bottom features
- submarine geology** *see* marine geology
- submarine valleys** *see* submarine canyons
- submarine volcanoes**  
East Pacific Ocean Islands, ocean floors 118(3-4) 177-185  
Italy, geochemistry 119(1-2) 137-157  
West Pacific Ocean Islands 118(3-4) 217-236
- sulfates** *see* anhydrite; gypsum
- sulfides** *see* pyrite
- sulfur**  
India 117(1-4) 227-236  
Pacific Ocean, geochemistry 116(1-2) 243-253
- Sumatra** 117(1-4) 275-285
- Sunda Arc**  
plate tectonics 117(1-4) 119-134
- surfaces, erosion** *see* erosion surfaces
- surveys** *see* geophysical surveys
- Sussex England** 120(3-4) 309-325
- Svalbard** *see also* Spitsbergen  
Cenozoic 118(3-4) 257-281  
Quaternary 117(1-4) 35-55
- swash zones**  
England 120(3-4) 309-325  
Wales 120(3-4) 309-325
- symmicton** *see* diamicton
- symposia**  
116(3-4) 349-430  
Arctic Ocean, marine geology 119(3-4) 179-364; 121(1-2) 75-141  
marine geology 120(1-2) 1-127
- Taiwan**  
continental slope 119(1-2) 99-109
- Tamar Estuary**  
sedimentation 117(1-4) 107-117
- Taranaki Basin**  
plate tectonics 116(3-4) 293-312



**Tasman Sea**

- Quaternary 117(1-4) 1-17
- tektites *see* tektites
- tectonic lines *see* lineaments
- tectonics** *see also* crust; deformation; faults; folds; fractures; lineaments; neotectonics; plate tectonics; rift zones
  - compression tectonics, Pacific Ocean 116(1-2) 57-68
- tectonophysics *see* crust; mantle; Mohorovicic discontinuity; paleomagnetism; plate tectonics; sea-floor spreading
- tektites
  - Indian Ocean 116(3-4) 259-266

**Terschelling Netherlands**  
shore features 121(3-4) 187-197

- Tertiary** *see also* Neogene; Paleogene
  - Arctic Ocean 119(3-4) 287-300
  - India 118(3-4) 283-290
- textbooks**
  - geochemistry 119(1-2) 174-175
- Th-230**
  - Taiwan, continental slope 119(1-2) 99-109
- Th/Th**
  - Arctic Ocean, Quaternary 121(1-2) 77-85
  - Hawaii, Quaternary 118(3-4) 315-326
- Th/U**
  - Hawaii, Quaternary 118(3-4) 315-326
  - Western Australia, Quaternary 115(1-2) 29-46

- thallophytes *see* bacteria
- The Banks *see* Outer Banks
- The Himalaya *see* Himalayas
- tholeiitic basalt**
  - Vanuatu 116(1-2) 197-213
- thorium**
  - Th-230, Taiwan 119(1-2) 99-109
- thorium-uranium *see* Th/U
- tidal flats**
  - France 120(1-2) 27-40
- Tierra del Fuego**
  - sedimentary petrology 115(3-4) 263-270
- till**
  - Arctic Ocean 121(1-2) 121-128
- till balls**
  - Arctic Ocean, continental slope 121(1-2) 121-128
- todorokite** 115(1-2) 67-83
- Townsville Trough** 121(3-4) 265-291
- tracers**
  - France 120(1-2) 27-40
  - Taiwan, continental slope 119(1-2) 99-109
- transcurrent faults**
  - New Zealand, plate tectonics 116(3-4) 293-312
- transform faults**
  - Indian Ocean, tectonophysics 115(1-2) 21-28
  - Pacific Ocean
    - plate tectonics 116(1-2) 57-68
    - tectonophysics 116(1-2) 5-24

**transpression**

- New Zealand, plate tectonics 116(3-4) 293-312
- Pacific Ocean, tectonophysics 116(1-2) 69-87

**transtension**

- Pacific Ocean, tectonophysics 116(1-2) 69-87

**trenches** *see also* fore-arc basins

- Peru 118(3-4) 237-256

**trend-surface analysis**

- continental shelf 121(3-4) 171-185

**triple junctions**

- Pacific Ocean
  - plate tectonics 116(1-2) 57-68; 116(1-2) 113-132
  - tectonophysics 116(1-2) 5-24; 116(1-2) 25-35; 116(1-2) 69-87

**tripolite** *see* diatomaceous earth**Tunisia**

- diagenesis 120(3-4) 373-383

**turbidite**

- France 117(1-4) 177-185

**Turborotalita quinqueloba**

- Quaternary 121(1-2) 129-141

- Turkey 115(1-2) 129-142; 121(3-4) 213-230

**Tyro Basin**

- geochemistry 115(1-2) 15-19

**Tyrrhenian Sea** *see also* ODP Site 653

- geochemistry 119(1-2) 137-157

**U/Th** *see* Th/U**Umu volcanic field**

- ocean floors 118(3-4) 177-185

**unconformities** *see* erosional unconformities**underground water** *see* ground water**United Kingdom** *see also* Great Britain; Northern Ireland

- Isle of Man 120(3-4) 309-325

**United States** *see also* Alaska; Atlantic Coastal Plain; California; Florida; New Jersey; North Carolina; Virginia

- Delaware Bay 115(1-2) 143-151
- Middle Atlantic Bight 118(1-2) 61-77
- Quaternary 115(1-2) 157-158
- sediments, Chesapeake Bay 115(3-4) 271-287

**uplifts**

- Arctic Ocean, Cenozoic 118(3-4) 257-281
- Arctic region, Cenozoic 118(3-4) 257-281
- Hawaii, Quaternary 118(3-4) 315-326
- Indonesia, plate tectonics 117(1-4) 119-134
- New Zealand, plate tectonics 116(3-4) 293-312
- Norway, stratigraphy 115(3-4) 173-205

**upper Pleistocene** *see* Devensian; Weichselian**uranium disequilibrium**

- Arctic Ocean, Quaternary 121(1-2) 77-85
- Hawaii, Quaternary 118(3-4) 315-326
- uranium-thorium *see* Th/U

**Vai Lili hydrothermal vent**

- ecology 116(1-2) 227-242

**Valencia Fan**

- Quaternary 117(1-4) 195-205

**Vanuatu**

- petrology 116(1-2) 197-213

**Var France**

- Quaternary 120(3-4) 203-223
- stratigraphy 117(1-4) 287-302

**ventilation**

- sea water 120(1-2) 1-12

**Ventotene Island**

- Quaternary 117(1-4) 317-328

**Verrill Canyon** 120(3-4) 291-308**vertebrates** *see* fish**vertical seismic profiles**

- Malaysia, Quaternary 120(3-4) 175-202
- Turkey 115(1-2) 129-142

**VIMS Sea Carousel**

- sediments 115(3-4) 271-287

**Virginia** *see* Chesapeake Bay; James River**Viwa Rift**

- plate tectonics 116(1-2) 57-68

**volcanic arcs** *see* island arcs**volcanic ash**

- Indian Ocean 115(3-4) 307-329

**volcanic rocks** *see also* andesites; basalts; dacites; pyroclastics

- New Zealand, Cretaceous 119(1-2) 1-5

**volcanicity** *see* volcanism**volcaniclastics**

- Arctic Ocean, geochemistry 121(1-2) 105-119

- Indonesia, stratigraphy 116(3-4) 267-291

**volcanics** *see* volcanic rocks**volcanism** *see also* eruptions; lava

- Arctic Ocean, Cenozoic 118(3-4) 257-281
- Arctic region, Cenozoic 118(3-4) 257-281
- Indonesia, stratigraphy 116(3-4) 267-291
- New Zealand, tectonophysics 118(1-2) 153-173

**volcanoes** *see also* submarine volcanoes

- Pacific Ocean 116(1-2) 37-56

**volume susceptibility (magnetic)** *see* magnetic susceptibility**Voring Plateau**

- continental shelf 121(1-2) 87-103
- Quaternary 117(1-4) 35-55; 121(1-2) 129-141

- sedimentation 116(3-4) 327-345

- stratigraphy 115(3-4) 173-205

**Vraconian**

- France 117(1-4) 287-302

**Vrica Italy**

- geochemistry 115(1-2) 117-127

**vulcanism** *see* volcanism**Waimanalo Formation**

- Quaternary 118(3-4) 315-326

**Wales**

- South Wales 120(3-4) 309-325

**Walvis Bay** 115(1-2) 85-116**Walvis Ridge**

- geochemistry 121(3-4) 317-332

**Wanganui Valley**

plate tectonics 116(3-4) 293-312

**Welchsellian**

Norway 117(1-4) 35-55

West Africa *see* Mauritania; Senegal

**West Frisian Islands**

shore features 121(3-4) 187-197

West Indies *see* Bahamas

West Mediterranean *see* Alboran Sea; Tyrrhenian Sea

West Pacific *see* Bering Sea; Coral Sea; Philippine Sea; Taranaki Basin; Tasman Sea; Yellow Sea

**West Pacific Ocean Islands**

Kermadec Islands 118(3-4) 217-236

**West Spitsbergen Current**

sedimentation 116(3-4) 327-345

**Western Australia**

117(1-4) 275-285

Quaternary 115(1-2) 29-46

Western Canada *see* British Columbia

Western Europe *see* Belgium; France; Netherlands; Scandinavia; United Kingdom

**Wharton Basin**

117(1-4) 275-285

stratigraphy 116(3-4) 267-291

**White Lady hydrothermal vent**

ecology 116(1-2) 227-242

**white smokers**

Pacific Ocean, ecology 116(1-2) 227-242

**Whitsand Bay**

ocean circulation 115(3-4) 207-226

**Yellow Sea** 120(1-2) 89-103**Yermak Plateau**

Quaternary 119(3-4) 251-267; 119(3-4) 305-332

**zirconium**

Indian Ocean 115(3-4) 307-329

Zoantharia *see* Scleractinia

zones, fracture *see* fracture zones

zones, rift *see* rift zones

zones, subduction *see* subduction zones

Zululand 120(3-4) 225-247



